

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3743485

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	MSA AUER GMBH	01/04/2015
RECEIVING PARTY DATA		
Name:	MSA EUROPE GMBH	
Street Address:	SCHLUESSELSTRASSE 12	
City:	JONA	
State/Country:	SWITZERLAND	
Postal Code:	CH-8645	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Patent Number:	8245712
CORRESPONDENCE DATA		
Fax Number:	(412)471-4094	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	412-471-8815	
Email:	assignments@webblaw.com	
Correspondent Name:	THE WEBB LAW FIRM	
Address Line 1:	ONE GATEWAY CENTER, 420 FT DUQUESNE BLVD	
Address Line 2:	STE 1200	
Address Line 4:	PITTSBURGH, PENNSYLVANIA 15222	
ATTORNEY DOCKET NUMBER:	6830-100114	
NAME OF SUBMITTER:	NATHAN J. PREPELKA	
SIGNATURE:	/Nathan J. Prepelka/	
DATE SIGNED:	02/17/2016	
Total Attachments: 23		
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INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT

This Intellectual Property Assignment Agreement (the "Assignment"), effective as of January 4, 2015, is by and between MSA Auer GmbH (in the future: MSA Deutschland GmbH), a German company with its principal place of business located at Thiemannstraße 1, 12059 Berlin, Deutschland ("Assignor"), MSA Europe GmbH, a Swiss company, with its principal place of business located at MSA Europe GmbH, Alte Jonastrasse 24, 8640 Rapperswil, Switzerland ("Assignee"), and MSA Produktion Deutschland GmbH, a German company with its principal place of business located at Thiemannstraße 1, 12059 Berlin, Deutschland ("MSA Produktion").

WHEREAS, Assignor is the owner of certain intellectual property listed on the attached Schedules A and B;

WHEREAS, Assignor has sold to Assignee the Assigned IP (as defined below) and Assignee has purchased from Assignor the Assigned IP (as defined below) under that certain *Asset Kauf- und Übertragungsvertrag / Asset Purchase and Transfer Agreement* between the Parties dated as of December 17, 2014 (the "APA");

WHEREAS, in fulfillment of the APA, Assignor desires to assign, and Assignee desires to acquire all worldwide right, title, and interest in and to the Assigned IP (as defined below), including any and all goodwill of the business associated with the use of, and symbolized by the trademarks, and Assignor and Assignee wish to record such acquisition in the respective Patent and Trademark Offices and/or relevant official offices, registrars, and registries around the world.

NOW, THEREFORE, in fulfillment of the APA and in consideration of the purchase price set forth in the APA for the Assigned IP Assignor and Assignee agree as follows:

1. Assignment of Trademarks. Assignor hereby transfers, conveys, assigns and delivers to Assignee and Assignee accepts all right, title, and interest of Assignor in and to (i) the trademarks and trademark applications set forth in Schedule A hereto as well as any unregistered trademarks currently owned by Assignor, together with the goodwill of the business symbolized thereby; (ii) all renewals and extensions of any such application, registration and filing; (iii) all licenses for the use of the trademarks; (iv) all income, royalties, damages, claims, and payments now or hereafter due or payable under and with respect thereto, including, without limitation, damages, claims, and payments for past and future infringements thereof; (v) all rights to sue for past, present, and future infringements of the foregoing, including the right to settle suits involving claims and demands for royalties owing; (vi) all rights corresponding to any of the foregoing throughout the world; and (vii) the right to assign the rights conveyed herein, the same to be held and enjoyed by Assignee for its own use and benefit, and for the benefit of its successors, assigns, and legal representatives (the "Assigned Trademarks").
2. Assignment of Patents. Assignor hereby transfers, conveys, assigns and delivers to Assignee and Assignee accepts all right, title, and interest of Assignor in and to (i) the patents, patent applications and design patents (including registered designs) set forth in

Schedule B hereto as well as any inventions and disclosures previously created by employees or officers (*Organmitglieder*) of Assignor and acquired by Assignor but not yet filed (ii) all inventions and improvements described and claimed therein, and patents which may be granted from divisions, reissues, substitutions, continuations, continuations-in-part, reexaminations, foreign counterparts and extensions thereof claiming priority to the underlying said patent rights, and the right to claim priority from any of the foregoing; (iii) all licenses for the use of the patents; (iv) all income, royalties, damages, claims, and payments now or hereafter due or payable under and with respect thereto, including, without limitation, damages, claims, and payments for past and future infringements thereof; (v) all rights to sue for past, present, and future infringements of the foregoing, including the right to settle suits involving claims and demands for royalties owing; (vi) all rights corresponding to any of the foregoing throughout the world; and (vii) the right to assign the rights conveyed herein, the same to be held and enjoyed by Assignee for its own use and benefit, and for the benefit of its successors, assigns, and legal representatives (the "Assigned Patents").

3. Assignment of Copyrights and Rights of Use and Exploitation Therein. Assignor hereby transfers, conveys, assigns and delivers to Assignee and Assignee accepts all right, title, and interest of Assignor in and to (i) any and all copyrights and copyright registrations as well as any unregistered copyrights, ancillary rights and sui-generis rights – e.g. database rights – existing under applicable copyright laws, which are currently owned, controlled or having the right to be used by Assignor, (ii) including all extensions or renewals thereof, in each case whether published or unpublished, (iii) all licenses and rights of use and/or exploitation for the use of any of the foregoing, including rights to computer programs according to sec. 69b German Copyright Act (*vermögensrechtliche Befugnisse*); (iv) all income, royalties, damages, claims, and payments now or hereafter due or payable under and with respect thereto, including, without limitation, damages, claims, and payments for past and future infringements thereof; (v) all rights to sue for past, present, and future infringements of the foregoing, including the right to settle suits involving claims and demands for royalties owing; (vi) all rights corresponding to any of the foregoing throughout the world; and (vii) the right to assign the rights conveyed herein, the same to be held and enjoyed by Assignee for its own use and benefit, and for the benefit of its successors, assigns, and legal representatives (the "Assigned Copyrights"). The assigned Copyrights comprise, without limitation, the rights set forth in Schedule C.

4. Know-How. Assignor hereby transfers, conveys, assigns and delivers to Assignee and Assignee accepts all right, title, and interest of Assignor in and to all trade secrets, techniques, processes, standard calculations, business information, software in source code and object code, and including all documentation, databases, prototypes and other information owned, controlled or having the right to be used and assigned by Assignor, and which is necessary or useful to design or to develop or to manufacture or have manufactured products and all physical and tangible materials in any media embodying or incorporating predominantly any of the same (the "Assigned Know-How"). For the avoidance of doubt, any information which Assignor is not entitled to disclose and/or transfer, convey assign or deliver to third parties, e.g. due to confidentiality restrictions to third parties, do not qualify as Assigned Know-how, and all physical and tangible

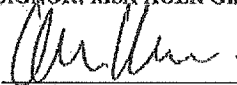
materials in any media embodying or incorporating any of the above-mentioned information together with other information (and in particular Assignor's IT infrastructure, such as servers, workstations and data carriers) do not qualify as Assigned Know-How. The assigned Know-How comprises, without limitation, all information and physical and tangible material set forth in Schedule D. Section 1.3 of the APA is hereby amended insofar, and the Parties are in agreement that the above definition of "Assigned Know-How" shall also apply to the sale of assets to Assignee as stipulated in the APA.

5. Transfer of Assigned Know-How. Transfer of the information, and/or physical and tangible materials containing Assigned Know-How from Assignor to Assignee shall take place as set forth in the APA with respect to the material set forth under no. 2 of Schedule D. Assignor and Assignee will agree on another mode of action regarding a transfer of the information and/or the other physical and tangible material comprised in the Assigned Know-How, in particular the material stored in electronic form in the IT systems of the Assignor at the Closing Date in its premises (i.e. at Thiemannstrasse 1, 12059 Berlin, Deutschland). Assignor and Assignee may in particular, without limitation, consider (i) to copy such data and to hand over a copy, (ii) to grant access to the Assignor's respective IT environment, (iii) and/or to communicate the information comprised in the Assigned Know-How on a case-by-case basis in another way. Section 1.4, sentences 4 through 6 of the APA are hereby amended insofar, sentence 5 is deleted.
6. Co-Ownership Rights and Contingent Right to Title. To the extent Assignor currently holds a co-ownership right or a contingent right to title (such as an *Anwartschaftsrecht* under German law) in any of the Assigned IP, the sale, transfer and assignment under this Assignment includes such co-ownership rights and contingent right to title.
7. Further Assurances. Assignor shall promptly do, make, execute, or deliver, or cause to be done, made, executed, or delivered, all such further acts, documents, and things as are necessary to transfer ownership of the Assigned Patents, Assigned Trademarks, Assigned Copyrights and Assigned Know-How (collectively called the "Assigned IP") to Assignee and to properly document the same, and for Assignee to record or register the Assigned IP with the relevant official office or registry.
8. Liabilities; Indemnification. Assignee is not assuming any of the liabilities or obligations relating to the Assigned IP that are based in whole or in part on any facts or circumstances that existed on or prior to the effective date of this Agreement. Assignor shall indemnify, defend and hold harmless Assignee and all of Assignee's members, managers, officers and employees against any and all losses relating to, arising out of or incurred in connection with the Assigned IP on or prior to the effective date of this Assignment or any claim that any of the Assigned IP infringes on any intellectual property or other rights of any other person.
9. Consent of MSA Produktion. MSA Produktion agrees to the provisions herein, in particular to the amendment of the definition of "Assigned Know-How".
10. Successors. This Assignment shall inure to the benefit of and is binding upon the respective successors and assigns of Assignor and Assignee.

11. Governing Law. This Assignment shall be governed by, and construed in accordance with the laws of Germany, without giving effect to the conflict of laws rules thereof, save where mandatory trademark, patent, copyright or other mandatory substantive laws of another country applies to individual issues regardless of the Parties' choice of law.
12. Counterparts. This Assignment may be executed in separate counterparts, each of which is deemed to be an original and all of which taken together constitute one and the same agreement.

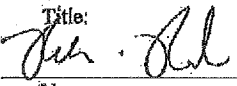
IN WITNESS WHEREOF, Assignor, Assignee and MSA Produktion caused this Agreement to be duly executed,

ASSIGNOR: MSA AUER GmbH

By: 

Name:

Title:

By: 

Name:

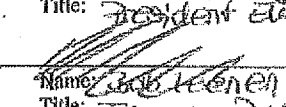
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ASSIGNEE: MSA EUROPE GmbH

By: 

Name:

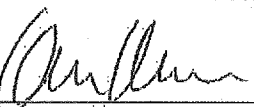
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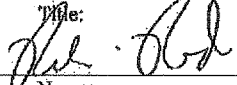
Title:

MSA PRODUKTION: MSA PRODUKTION DEUTSCHLAND GMBH

By: 

Name:

Title:

By: 

Name:

Title:

5172053110

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Schedule A - Registered Trademarks

See attached

Trademarks Portfolio MSA Auer										
										Dec 2, 2014
FP ID	TITLE	STATUS	FILING BASIS	COUNTRY	CATEGORY/TYPE	APPLICATION NUMBER	APPLICATION DATE	REGISTRATION NUMBER	REGISTRATION DATE	REGISTRANT
1053337	AUER	Registered	Use	AT	ORG (Trademark)	592	9/21/25	592	9/21/45	MSA Auer GmbH
1053343	AUER <fig.>	Registered	Use	AT	ORG (Trademark)	15612	8/2/49	15612	10/20/49	MSA Auer GmbH
1043136	SAVOX	Registered	Use	AU	ORG (Trademark)	867676	2/28/01	867676	2/28/01	MSA Auer GmbH
1053306	AirFlo Lite	Registered	Use	DE	ORG (Trademark)	30009142709	2/5/00	30009142	4/13/00	MSA Auer GmbH
1053307	AirGo	Registered	Use	DE	ORG (Trademark)	30705090409	1/23/07	30705090	4/20/07	MSA Auer GmbH
1053311	AirMaXX	Registered	Use	DE	ORG (Trademark)	30094364409	12/23/00	30094364	12/10/01	MSA Auer GmbH
1053317	alphaBASE	Registered	Use	DE	ORG (Trademark)	30605889809	1/23/06	30605889	3/10/06	MSA Auer GmbH
1053325	alphaCLICK	Registered	Use	DE	ORG (Trademark)	30577377109	12/24/05	30577377	2/9/06	MSA Auer GmbH
1053327	alphaSCOUT	Registered	Use	DE	ORG (Trademark)	30605890109	1/23/06	30605890	3/10/06	MSA Auer GmbH
1053333	alphaSL	Registered	Use	DE	ORG (Trademark)	30577376309	12/24/05	30577376	2/9/06	MSA Auer GmbH
1053338	A AUER and Design	Registered	Use	DE	ORG (Trademark)	A20036	2/14/69	886207	10/7/71	MSA Auer GmbH
1053347	A AUER and Design	Registered	Use	DE	ORG (Trademark)	A28731	12/29/38	514358	7/28/39	MSA Auer GmbH
1054063	AUER 3 S	Registered	Use	DE	ORG (Trademark)	A41922	8/28/86	1099538	11/25/86	MSA Auer GmbH
1054070	AUER air-elite	Registered	Use	DE	ORG (Trademark)	A57293	7/11/94	2078577	9/21/94	MSA Auer GmbH
1054097	AUER S-CAP	Registered	Use	DE	ORG (Trademark)	A34043	12/4/80	1014360	2/18/81	MSA Auer GmbH
1054098	Auer-Ex-METER	Registered	Use	DE	ORG (Trademark)	A10904	5/9/61	762875	6/29/62	MSA Auer GmbH
1054167	AUERGESELLSCHAFT	Registered	Use	DE	ORG (Trademark)	39636097101	8/7/96	39636097	1/20/97	MSA Auer GmbH
1054176	AUER-TOXIMETER	Registered	Use	DE	ORG (Trademark)	A15468	4/6/65	818992	5/2/66	MSA Auer GmbH
1054179	AutoMaXX	Registered	Use	DE	ORG (Trademark)	30094365209	12/23/00	30094365	12/11/01	MSA Auer GmbH
1054180	BD 96	Registered	Use	DE	ORG (Trademark)	39651859109	11/25/96	39651859	4/11/97	MSA Auer GmbH
1054181	Champion Elite	Registered	Use	DE	ORG (Trademark)	39651854009	11/25/96	39651854	4/2/97	MSA Auer GmbH
1054182	Champion Super	Registered	Use	DE	ORG (Trademark)	39651851609	11/25/96	39651851	4/2/97	MSA Auer GmbH
1060025	CO-TRANS	Registered	Use	DE	ORG (Trademark)	A34044	12/4/80	1014361	2/18/81	MSA Auer GmbH
1060028	DuoFit	Registered	Use	DE	ORG (Trademark)	30072415217	9/22/00	30072415	4/26/01	MSA Auer GmbH
1060029	Echem	Registered	Use	DE	ORG (Trademark)	A5797109Wz	10/15/94	2086098	11/28/94	MSA Auer GmbH
1060039	EXPLOSHARM	Registered	Use	DE	ORG (Trademark)	A17859	4/11/67	845197	5/13/68	MSA Auer GmbH
1060040	EX-TOX-ALARM 2000	Registered	Use	DE	ORG (Trademark)	39651858309	11/25/96	39651858	7/23/97	MSA Auer GmbH
1060041	EX-TOX-ALARM 290	Registered	Use	DE	ORG (Trademark)	39651855909	11/25/96	39651855	4/11/97	MSA Auer GmbH
1060042	EX-TRANS	Registered	Use	DE	ORG (Trademark)	A34045	12/4/80	1014362	2/18/81	MSA Auer GmbH
1060047	FormFit	Registered	Use	DE	ORG (Trademark)	30009147809	2/5/00	30009147	5/18/00	MSA Auer GmbH
1060049	GASISTOR	Registered	Use	DE	ORG (Trademark)	A28017	5/19/76	957829	5/10/77	MSA Auer GmbH
1060050	HALTEFIX	Registered	Use	DE	ORG (Trademark)	39728093909	6/13/97	39728093	12/9/97	MSA Auer GmbH
1060051	ICU	Registered	Use	DE	ORG (Trademark)	39762135309	12/20/97	39762135	4/15/98	MSA Auer GmbH
1060055	Lite-Hood	Registered	Use	DE	ORG (Trademark)	30009144309	2/5/00	30009144	4/13/00	MSA Auer GmbH
1060064	motionscout	Registered	Use	DE	ORG (Trademark)	30661986509	10/6/06	30661986	12/22/06	MSA Auer GmbH
1060080	OXY-TRANS	Registered	Use	DE	ORG (Trademark)	A335949Wz	7/23/80	1008579	9/30/80	MSA Auer GmbH
1060092	PERSPECTA	Registered	Use	DE	ORG (Trademark)	A12151	5/25/62	773408	5/13/63	MSA Auer GmbH
1060109	SAVOX (Stylized)	Registered	Use	DE	ORG (Trademark)	30019504409	3/14/00	30019504	6/26/00	MSA Auer GmbH

Trademarks Portfolio - MSA Auer										
										Dec 2, 2014
FIG. NO.	TITLE	STATUS	FILING BASIS	COUNTRY	CATEGORY/TYPE	APPLICATION NUMBER	APPLICATION DATE	REGISTRATION NUMBER	REGISTRATION DATE	REGISTRANT
1060115	SOUNDCONTROL and Design	Registered	Use	DE	ORG (Trademark)	39960644017	9/23/99	39960644	12/3/99	MSA Auer GmbH
1060119	SUPREMA	Registered	Use	DE	ORG (Trademark)	39956578709	9/8/99	39956578	3/23/00	MSA Auer GmbH
1060143	TMP TRANSFER METALLISIERTE PRODUKTE	Registered	Use	DE	ORG (Trademark)	130507716Wz	6/12/90	1165669	10/12/90	MSA Auer GmbH
1060146	TOX-METER PID	Registered	Use	DE	ORG (Trademark)	39651857509	11/25/96	39651857	4/11/97	MSA Auer GmbH
1060148	Trilix	Registered	Use	DE	ORG (Trademark)	A26029	5/28/74	930737	5/2/75	MSA Auer GmbH
1060149	Ultra Elite	Registered	Use	DE	ORG (Trademark)	39651850809	11/25/96	39651850	5/6/98	MSA Auer GmbH
1060151	UNIPACK	Registered	Use	DE	ORG (Trademark)	30019505209	3/14/00	30019505	6/8/00	MSA Auer GmbH
1060158	UNISCAPE	Registered	Use	DE	ORG (Trademark)	30019503609	3/14/00	30019503	6/8/00	MSA Auer GmbH
1060161	Vautex Elite	Registered	Use	DE	ORG (Trademark)	39651853209	11/25/96	39651853	4/2/97	MSA Auer GmbH
1060162	Vautex SL	Registered	Use	DE	ORG (Trademark)	39651852409	11/25/96	39651852	4/2/97	MSA Auer GmbH
1418063	TECBOS	Registered	Use	DE	ORG (Trademark)	303100656	2/25/03	30310065	4/4/03	MSA Auer GmbH
1053310	AirMaXX	Registered	Use	EM	ORG (Trademark)	2519635	12/28/01	2519635	2/26/03	MSA Auer GmbH
1053313	AirMaXX eXtreme	Registered	Use	EM	ORG (Trademark)	3807732	4/29/04	3807732	7/25/05	MSA Auer GmbH
1054177	AutoMaXX	Registered	Use	EM	ORG (Trademark)	2520930	1/2/02	2520930	2/26/03	MSA Auer GmbH
1060046	Flexl	Registered	Use	EM	ORG (Trademark)	2522019	1/2/02	2522019	4/15/03	MSA Auer GmbH
1060059	MicroMaXX	Pending	Use	EM	ORG (Trademark)	3278851	7/21/03	3278851		MSA Auer GmbH
1060060	mini SCAPE	Registered	Use	EM	ORG (Trademark)	2538908	1/17/02	2538908	2/26/03	MSA Auer GmbH
1060069	MPS	Registered	Use	EM	ORG (Trademark)	2524494	1/4/02	2524494	5/26/03	MSA Auer GmbH
1060070	MSA AUER	Registered	Use	EM	ORG (Trademark)	3798113	4/27/04	3798113	10/3/05	MSA Auer GmbH
1060072	MSA EUROPE	Registered	Use	EM	ORG (Trademark)	3798097	4/27/04	3798097	8/29/05	MSA Auer GmbH
1060074	MSA GALLET	Registered	Use	EM	ORG (Trademark)	3798361	4/27/04	3798361	8/29/05	MSA Auer GmbH
1060075	MSA SORDIN	Registered	Use	EM	ORG (Trademark)	4211405	12/21/04	4211405	1/26/06	MSA Auer GmbH
1060076	OptimAir	Registered	Use	EM	ORG (Trademark)	3278785	7/21/03	3278785	1/14/05	MSA Auer GmbH
1060093	PlexTec	Registered	Use	EM	ORG (Trademark)	7017593	6/26/08	7017593	6/11/09	MSA Auer GmbH
1060101	SAVOX	Registered	Use	EM	ORG (Trademark)	2107589	2/27/01	2107589	9/24/03	MSA Auer GmbH
1060111	S-CAP <fig.>	Registered	Use	EM	ORG (Trademark)	4233896	1/12/05	4233896	9/4/08	MSA Auer GmbH
1060134	TabTec	Registered	Use	EM	ORG (Trademark)	2189330	4/24/01	2189330	5/13/02	MSA Auer GmbH
1060150	UNIPACK	Registered	Use	EM	ORG (Trademark)	2520898	1/2/02	2520898	2/26/03	MSA Auer GmbH
1060157	UNISCAPE	Registered	Use	EM	ORG (Trademark)	2520906	1/2/02	2520906	2/26/03	MSA Auer GmbH
1120027	DUOFIT	Registered	Use	EM	ORG (Trademark)	1858976	9/19/00	1858976	9/20/02	MSA Auer GmbH
1060126	SUPREMA	Registered	Use	ES	ORG (Trademark)	M25245872	2/6/03	M2524587	12/16/03	MSA Auer GmbH
1060121	SUPREMA	Registered	Use	GB	ORG (Trademark)	2280216	9/10/01	2280216	5/24/02	MSA Auer GmbH
1266859	A-U-E-R S-CAP	Registered	Use	GB	ORG (Trademark)	1159542	8/14/81	1159542	8/14/81	MSA Auer GmbH
1053309	AirGo	Registered	Use	IB	ORG (Trademark)	933842	5/11/07	933842	5/11/07	MSA Auer GmbH
1053324	alphaBASE	Registered	Use	IB	ORG (Trademark)	893802	6/21/06	893802	6/21/06	MSA Auer GmbH
1053326	alphaCLICK	Registered	Use	IB	ORG (Trademark)	908867	6/21/06	908867	6/21/06	MSA Auer GmbH
1053332	alphaSCOUT	Registered	Use	IB	ORG (Trademark)	893804	6/21/06	893804	6/21/06	MSA Auer GmbH
1053335	alphaSL	Registered	Use	IB	ORG (Trademark)	908217	6/21/06	908217	6/21/06	MSA Auer GmbH

Trademarks Portfolio - MSA Auer										
										Dec 2, 2014
FIP ID	TITLE	STATUS	FILING BASIS	COUNTRY	CATEGORY/TYPER	APPLICATION NUMBER	APPLICATION DATE	REGISTRATION NUMBER	REGISTRATION DATE	REGISTRANT
1053342	AUER & Design	Registered	Use	IB	ORG (Trademark)	388260	4/21/72	388260	4/21/72	MSA Auer GmbH
1053354	A AUER and Design	Registered	Use	IB	ORG (Trademark)	232911	6/24/60	232911	6/24/60	MSA Auer GmbH
1054067	AUER 3 S	Registered	Use	IB	ORG (Trademark)	509996	12/9/86	509996	12/9/86	MSA Auer GmbH
1054094	AUER air-elite	Registered	Use	IB	ORG (Trademark)	670006	3/26/97	670006	3/26/97	MSA Auer GmbH
1060021	AUER S-CAP	Registered	Use	IB	ORG (Trademark)	461450	5/19/81	461450	5/19/81	MSA Auer GmbH
1060026	CO-TRANS	Registered	Use	IB	ORG (Trademark)	461451	5/19/81	461451	5/19/81	MSA Auer GmbH
1060038	EX-PEM	Registered	Use	IB	ORG (Trademark)	519260	12/17/87	519260	12/17/87	MSA Auer GmbH
1060044	EX-TRANS	Registered	Use	IB	ORG (Trademark)	461452	5/19/81	461452	5/19/81	MSA Auer GmbH
1060054	ICU	Registered	Use	IB	ORG (Trademark)	732321	3/17/00	732321	3/17/00	MSA Auer GmbH
1060067	motionscout	Registered	Use	IB	ORG (Trademark)	934159	4/2/07	934159	4/2/07	MSA Auer GmbH
1060085	OXY-TRANS	Registered	Use	IB	ORG (Trademark)	462447	5/19/81	462447	5/19/81	MSA Auer GmbH
1060117	SOUNDCONTROL <fig.>	Registered	Use	IB	ORG (Trademark)	739346	2/24/00	739346	2/24/00	MSA Auer GmbH
1060124	SUPREMA	Registered	Use	IB	ORG (Trademark)	733335	3/23/00	733335	3/23/00	MSA Auer GmbH
1060147	TOX-PEM	Registered	Use	IB	ORG (Trademark)	519261	12/17/87	519261	12/17/87	MSA Auer GmbH

Schedule B – Patents

See attached

5172053110

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PATENT
REEL: 037845 FRAME: 0623

Active Patents - MSA Auer										
Dec 23 2014										
FIP ID	TITLE	STATUS	CATEGORY	COUNTRY	APPLICATION NO.	APPLICATION DATE	PATENT NO.	GRANT DATE	REGISTRANT	INVENTOR(S)
899941	Holding Device For Connecting A Gas Mask To A Protective Helmet	Issued	Utility - EPPAT	AT	047124706	2/19/04	1606023	9/27/06	MSA Auer GmbH	Tanguy Seve, Philippe Fitoussi, Wilfried Hoffmann
900036	Supporting Structure For A Respiratory Air Container Or Other Objects	Issued	Utility - NSPCT	AU	2001262033	4/6/01	2001262033	6/3/04	MSA Auer GmbH	Peter V Kling, Andreas Haeuser
900037	Bottle Support For Compressed-Air Bottles	Issued	Utility - NSPCT	AU	6283401	4/6/01	770367	6/3/04	MSA Auer GmbH	Peter V Kling, Carsten Leuschner
900038	Support Frame For A Respiratory Air Container	Issued	Utility - NSPCT	AU	2001262035	4/6/01	2001262035	8/6/04	MSA Auer GmbH	Peter V Kling, Andreas Haeuser
900044	Strap For A Full Respirator Mask	Issued	Utility - NSPCT	AU	2002218131	10/10/01	2002218131	1/13/05	MSA Auer GmbH	John F Kuhn, Wilfried Hoffmann
900047	Automatic-Lung Regulator For Compressed-Air Respiration Apparatus	Issued	Utility - NSPCT	AU	2002250818	3/12/02	2002250818	6/9/05	MSA Auer GmbH	Carsten Leuschner, Jan Martin, Werner Meis
900050	Strap Buckle For A Fastening Strap	Issued	Utility - NSPCT	AU	2002315649	4/12/02	2002315649	8/17/06	MSA Auer GmbH	Jürgen Boss, Peter V Kling
900059	Compressed Air Supply System For A Compressed Air Respiratory Device	Issued	Utility - NSPCT	AU	2002367303	12/21/02	2002367303	2/8/07	MSA Auer GmbH	Peter V Kling
900063	Infrared Sensor With Explosion-Proof Protection For Gas Metering Appliances	Issued	Utility - NSPCT	AU	2003223904	3/27/03	2003223904	3/20/08	MSA Auer GmbH	Axel Schubert
900074	Filter Blower For Gas Masks Or Hoods	Issued	Utility - NSPCT	AU	2003296552	12/19/03	2003296552	8/7/08	MSA Auer GmbH	Axel Schubert
900077	Warning System For Individuals Working Under Hazardous Conditions	Issued	Utility - NSPCT	AU	2004223297	2/26/04	2004223297	7/19/07	MSA Auer GmbH	Jürgen Boss
900079	Holding Device For Connecting A Gas Mask To A Protective Helmet	Issued	Utility - NSPCT	AU	2004224849	2/19/04	2004224849	7/19/07	MSA Auer GmbH	Tanguy Seve, Philippe Fitoussi, Wilfried Hoffmann
900090	Blow Filter Device	Issued	Utility - NSPCT	AU	2005221263	1/27/05	2005221263	7/24/08	MSA Auer GmbH	Frank Becker, Detlef Kielow, Martin Weber, Michael B Schulman
900095	Coupling Device For A Compressed Gas Cylinder	Issued	Utility - NSPCT	AU	2005243566	5/9/05	2005243566	7/3/09	MSA Auer GmbH	Peter Kadow, Peter V Kling, Thomas Kuba, Wolfgang Weber
900100	Oxygen-Producing Respiratory Protection Device	Issued	Utility - NSPCT	AU	2006207719	1/19/06	2006207719	2/24/11	MSA Auer GmbH	Frank Krueger, Karl Heinz Feldner, Karl-Heinz Koehricht
900101	Method And Arrangement For Determination Of The Residual Capacity Of Breathable Air For An Oxygen-Generating Breathing Apparatus Operated In Circuit	Issued	Utility - NSPCT	AU	2006226722	3/23/06	2006226722	2/10/11	MSA Auer GmbH	Frank Krueger, Karl Heinz Feldner
964631	Respiratory Half Mask	Issued	Utility - NSPCT	AU	2008323109	10/1/08	2008323109	3/25/13	MSA Auer GmbH	Detlef Kielow, Michael Horn, Klaus Schmidtke
965071	Electrochemical Sensor with Diffusion Laboratory	Issued	Utility - NSPCT	AU	2009248158	5/7/09	2009248158	7/24/14	MSA Auer GmbH	Rolf Eckhardt, Martin Weber
975412	Mask Body For A Respiratory Half-Mask	Issued	Utility - NSPCT	AU	2008323126	10/15/08	2008323126	3/25/13	MSA Auer GmbH	Detlef Kielow, Michael Horn
976088	Polymer-Bonded Granular Adsorptive, Absorptive, Chemosorptive, or Catalytically Active Material	Issued	Utility - NSPCT	AU	8614498	9/22/98	757555	6/12/03	MSA Auer GmbH	Rudolf Nastke, Gerald Raffer, Helmut Bernde, Thomas Krügerke, Gabriele Stadermann, Jannett Kohls, Martin Kurth, Dieter Lubkoll
976096	Method and Apparatus for Producing a Respiratory Filter	Issued	Utility - NSPCT	AU	3880701	4/23/01	749889	10/17/02	MSA Auer GmbH	Frank Becker, Martin Kurth, Thomas Krügerke
976233	Method For Manufacturing A Filter Body	Issued	Utility - NSPCT	AU	2935602	4/2/02	780072	6/9/05	MSA Auer GmbH	Gabriele Stadermann, Karl-Heinz Koehricht
1015971	Electric Gas Sensor with Anionic Liquid Electrolyte System Including at Least One Monoalkylammonium, Dialkylammonium, or Trialkylammonium Cation	Pending	Utility - NSPCT	AU	2009321617	11/25/09			MSA Auer GmbH	Rolf Eckhardt, Ralf Warratz
1015988	Electrochemical Gas Sensors with Ionic Liquid Electrolyte Systems	Pending	Utility - NSPCT	AU	2009321615	11/25/09			MSA Auer GmbH	Rolf Eckhardt, Martin Weber, Kathrin Toelle, Kathrin Keller
1567694	ELECTROCHEMICAL GAS SENSOR WITH AN IONIC LIQUID AS ELECTROLYTE FOR THE DETECTION OF AMMONIA AND AMINES	Pending	Utility - NSPCT	AU	2012330453	10/25/12			MSA Auer GmbH	Ralf Warratz
964632	Respiratory Half Mask	Pending	Utility - NSPCT	BR	PI08181128	10/1/08			MSA Auer GmbH	Detlef Kielow, Michael Horn, Klaus Schmidtke

Active Patents - MSA Auer										
										Date: 2/2014
IP ID	TITLE	STATUS	CATEGORY	COUNTRY	APPLICATION NO.	APPLICATION DATE	PATENT NO.	GRANT DATE	REGISTRANT	INVENTOR(S)
975413	Mask Body For A Respiratory Half-Mask	Published	Utility - NSPCT	BR	P108181098	10/15/08			MSA Auer GmbH	Detlef Kielow, Michael Horn
1342243	RADIO TRANSMISSION MODULES HAVING INTRINSIC SAFETY	Published	Utility - NSPCT	BR	BR1120130079878	10/5/11			MSA Auer GmbH	Axel Schubert
1567414	COUPLING DEVICE FOR A BREATHING APPARATUS	Pending	Utility - NSPCT	BR	BR1120140185522	2/8/13			MSA Auer GmbH	Peter V Kling, Peter Kadow, Lukasz Niewiadomski
1648498	Verfahren und Vorrichtung zur Detektion der Konzentration mindestens einer gasförmigen Zielsubstanz und Verwendung einer Vorrichtung - Using an NH3 Sensor	Pending	Utility - NSPCT	BR	1120140293767	3/15/13			MSA Auer GmbH	Ralf Warratz, Martin Weber
900239	Head Harness For A Respirator	Issued	Utility - NSPCT	CA	2438300	7/29/02	2438300	9/16/08	MSA Auer GmbH	Michael Horn
965072	Electrochemical Sensor with Diffusion Labyrinth	Published	Utility - NSPCT	CA	2724207	5/7/09			MSA Auer GmbH	Rolf Eckhardt, Martin Weber
976097	Method and Apparatus for Producing a Respiratory Filter	Issued	Utility - NSPCT	CA	2343858	4/12/01	2343858	10/24/06	MSA Auer GmbH	Frank Becker, Martin Kurth, Thomas Kirgerke
976234	Method For Manufacturing A Filter Body	Issued	Utility - NSPCT	CA	2380132	4/2/02	2380132	2/19/08	MSA Auer GmbH	Gabriele Stadermann, Karl-Heinz Koechricht
1015972	Electric Gas Sensor with Anionic Liquid Electrolyte System Including at Least One Monoalkylammonium, Dialkylammonium, or Trialkylammonium Cation	Pending	Utility - NSPCT	CA	2745237	11/25/09			MSA Auer GmbH	Rolf Eckhardt, Ralf Warratz
1015989	Electrochemical Gas Sensors with Ionic Liquid Electrolyte Systems	Pending	Utility - NSPCT	CA	2745236	11/25/09			MSA Auer GmbH	Rolf Eckhardt, Martin Weber, Kathrin Toelle, Kathrin Keller
1567605	ELECTROCHEMICAL GAS SENSOR WITH AN IONIC LIQUID AS ELECTROLYTE FOR THE DETECTION OF AMMONIA AND AMINES	Pending	Utility - NSPCT	CA	2853374	10/25/12			MSA Auer GmbH	Ralf Warratz
975409	Method And Arrangement For Determination Of The Residual Capacity Of Breathable Air For An Oxygen-Generating Breathing Apparatus Operated In Circuit	Issued	Utility - EPPAT	CH	067226977	3/23/06	1861173	8/13/08	MSA Auer GmbH	Frank Krueger, Karl Heinz Feldner
1078720	Electrochemical Sensor with Diffusion Labyrinth	Issued	Utility - EPPAT	CH	097456909	5/7/09	2286210	8/31/11	MSA Auer GmbH	Rolf Eckhardt, Martin Weber
900268	OXYGEN-GENERATING BREATHING APPARATUS	Issued	Utility - NSPCT	CN	2006800026575	1/19/06	2011051800106820	5/23/11	MSA Auer GmbH	Frank Krueger, Karl Heinz Feldner, Karl-Heinz Koechricht
900269	Method And Arrangement For Determination Of The Residual Capacity Of Breathable Air For An Oxygen-Generating Breathing Apparatus Operated In Circuit	Issued	Utility - NSPCT	CN	2006800091023	3/23/06	ZL200680009102.3	5/25/11	MSA Auer GmbH	Frank Krueger, Karl Heinz Feldner
900316	Holding Device For Connecting A Gas Mask To A Protective Helmet	Issued	Utility - NSPCT	CN	2004800079075	2/19/04	ZL200480007907.5	11/18/09	MSA Auer GmbH	Tanguy Seve, Philippe Filoussi, Wilfried Hoffmann
900325	Coupling Device For A Compressed Gas Cylinder	Issued	Utility - NSPCT	CN	2005800153379	5/9/05	ZL200580015337.9	7/1/09	MSA Auer GmbH	Peter Kadow, Peter V Kling, Thomas Kuba, Wolfgang Weber
964633	Respiratory Half Mask	Issued	Utility - NSPCT	CN	2008801171363	10/1/08	ZL200880117136.3	7/4/12	MSA Auer GmbH	Detlef Kielow, Michael Horn, Klaus Schmidtke
965073	Electrochemical Sensor with Diffusion Labyrinth	Issued	Utility - NSPCT	CN	2009801169160	5/7/09	ZL200980116916.0	10/1/14	MSA Auer GmbH	Rolf Eckhardt, Martin Weber
975414	Mask Body For A Respiratory Half-Mask	Issued	Utility - NSPCT	CN	2008801163206	10/15/08	ZL200880116320.6	5/30/12	MSA Auer GmbH	Detlef Kielow, Michael Horn
1014324	Electric Gas Sensor with Anionic Liquid Electrolyte System Including at Least One Monoalkylammonium, Dialkylammonium, or Trialkylammonium Cation	Issued	Utility - NSPCT	CN	2009801478855	11/25/09	200980147885.5	6/18/14	MSA Auer GmbH	Rolf Eckhardt, Ralf Warratz
1015990	Electrochemical Gas Sensors with Ionic Liquid Electrolyte Systems	Published	Utility - NSPCT	CN	2009801478840	11/25/09			MSA Auer GmbH	Rolf Eckhardt, Martin Weber, Kathrin Toelle, Kathrin Keller
1342244	RADIO TRANSMISSION MODULES HAVING INTRINSIC SAFETY	Published	Utility - NSPCT	CN	2011800483976	10/5/11			MSA Auer GmbH	Axel Schubert
1538719	Electrochemical Gas Sensors with Ionic Liquid Electrolyte Systems	Pending	Utility - DIV	CN	2014100572852	11/25/09			MSA Auer GmbH	Rolf Eckhardt, Martin Weber, Kathrin Toelle, Kathrin Keller
1538737	Electrochemical Gas Sensors with Ionic Liquid Electrolyte Systems	Pending	Utility - DIV	CN	2014100564841	11/25/09			MSA Auer GmbH	Rolf Eckhardt, Martin Weber, Kathrin Toelle, Kathrin Keller

Active Patents - MSA Auer										
										Dec 2, 2014
APP ID	TITLE	STATUS	CATEGORY	COUNTRY	APPLICATION NO.	APPLICATION DATE	PATENT NO.	GRANT DATE	REGISTRANT	INVENTOR(S)
1567415	COUPLING DEVICE FOR A BREATHING APPARATUS	Pending	Utility - NSPCT	CN	2013800087028	8/2/13			MSA Auer GmbH	Peter V Kling, Peter Kadow, Lukasz Mjswladomski
1567696	ELECTROCHEMICAL GAS SENSOR WITH AN IONIC LIQUID AS ELECTROLYTE FOR THE DETECTION OF AMMONIA AND AMINES	Pending	Utility - NSPCT	CN		10/25/12			MSA Auer GmbH	Ralf Warratz
1648499	Verfahren und Vorrichtung zur Detektion der Konzentration mindestens einer gasförmigen Zielsubstanz und Verwendung einer Vorrichtung - Using an NH3 Sensor	Pending	Utility - NSPCT	CN		3/15/13			MSA Auer GmbH	Ralf Warratz, Martin Weber
975272	Protective Respirator With Shield Attachments	Issued	Utility - EPPAT	CZ	027767300	9/20/02	1439887	7/6/05	MSA Auer GmbH	Klaus D Dahrendorf, Michael Horn, Detlef Kielow, Wolfgang Weber
975405	Method And Arrangement For Determination Of The Residual Capacity Of Breathable Air For An Oxygen-Generating Breathing Apparatus Operated In Circuit	Issued	Utility - EPPAT	CZ	067226977	3/23/06	1861173	8/13/08	MSA Auer GmbH	Frank Krueger, Karl Heinz Feldner
976371	Holding Device For Connecting A Gas Mask To A Protective Helmet	Issued	Utility - EPPAT	CZ	047124706	2/19/04	1606023	9/27/06	MSA Auer GmbH	Tanguy Seve, Philippe Fitoussi, Wilfried Hoffmann
900425	Strap For A Full Respirator Mask	Issued	Utility - EPPAT	DE	501122435	10/10/01	50112243.5	3/21/07	MSA Auer GmbH	John F Kuhn, Wilfried Hoffmann
900428	Circuit Arrangement Comprising A Multi-Wire Line For Supplying Current And Emitting Signals	Issued	Utility - EPPAT	DE	5020040025676	7/20/04	502004002567	1/3/07	MSA Auer GmbH	Petrus Akkerman, Andreas Lemke, Ingrid Herr Boenig
900429	Warning System For Individuals Working Under Hazardous Conditions	Issued	Utility - EPPAT	DE	5020040031331	2/26/04	502004003133	3/7/07	MSA Auer GmbH	Jürgen Boss
900431	Blow Filter Device	Issued	Utility - EPPAT	DE	5020050069978	1/27/05	502005006997	4/1/09	MSA Auer GmbH	Frank Becker, Detlef Kielow, Martin Weber, Michael B Schulman
900432	Method And Arrangement For Determination Of The Residual Capacity Of Breathable Air For An Oxygen-Generating Breathing Apparatus Operated In Circuit	Issued	Utility - EPPAT	DE	502006001335	3/23/06	502006001335	8/13/08	MSA Auer GmbH	Frank Krueger, Karl Heinz Feldner
900442	Head Harness For A Respirator	Issued	Utility - EPPAT	DE	502102691	7/29/02	50210269	6/6/07	MSA Auer GmbH	Michael Horn
900443	Connector For Respiratory Masks And/Or For Respiratory Apparatuses	Issued	Utility - EPPAT	DE	502134089	9/10/02	50213408	4/1/09	MSA Auer GmbH	Peter V Kling
900444	Filter Blower For Gas Masks Or Hoods	Issued	Utility - EPPAT	DE	503053082	12/19/03	50305308.2	10/4/06	MSA Auer GmbH	Axel Schubert
900464	Devices, Systems And Methods For Testing Gas Sensors And Correcting Gas Sensor Output	Issued	Utility - EPPAT	DE	0574.10300	4/28/05	602005011955.8	12/24/08	MSA Auer GmbH	Towner B Scheffler
900838	Bottle Support For Compressed-Air Bottles	Issued	Utility - ORG	DE	100279163	5/31/00	10027916.3	6/3/04	MSA Auer GmbH	Peter V Kling, Carsten Leuschner
900839	Supporting Structure For A Respiratory Air Container Or Other Objects	Issued	Utility - ORG	DE	100298389	6/19/00	10029838.9	9/2/04	MSA Auer GmbH	Peter V Kling, Andreas Hauser
900840	Support Frame For A Respiratory Air Container	Issued	Utility - ORG	DE	100301924	6/19/00	10030192.4	9/2/04	MSA Auer GmbH	Peter V Kling, Andreas Hauser
900843	Method For Manufacturing A Filter Body	Issued	Utility - ORG	DE	101174357	4/3/01	10117435	1/12/06	MSA Auer GmbH	Gabriele Stadermann, Karl-Heinz Koehricht
900844	Strap Buckle For A Fastening Strap	Issued	Utility - ORG	DE	101194692	4/12/01	10119469	3/20/03	MSA Auer GmbH	Jürgen Boss, Peter V Kling
900847	Automatic-Lung Regulator For Compressed-Air Respiration Apparatus	Issued	Utility - ORG	DE	101250762	5/14/01	10125076.2	5/23/02	MSA Auer GmbH	Carsten Leuschner, Jan Martin, Werner Meis
900850	Protective Respirator With Shield Attachments	Issued	Utility - ORG	DE	10154683	10/29/01	10154683	7/14/05	MSA Auer GmbH	Klaus D Dahrendorf, Michael Horn, Detlef Kielow, Wolfgang Weber
900851	Connector For Respiratory Masks And/Or For Respiratory Apparatuses	Issued	Utility - ORG	DE	101592189	11/27/01	10159218.3	11/13/03	MSA Auer GmbH	Peter V Kling
900852	Respiratory Protection Mask For A Compressed Air Breathing Apparatus	Issued	Utility - ORG	DE	101592191	11/27/01	10159219.1	9/29/05	MSA Auer GmbH	Peter V Kling
900854	Blow Filter Device	Issued	Utility - ORG	DE	1020040134537	3/11/04	102004013453	7/27/06	MSA Auer GmbH	Frank Becker, Detlef Kielow, Martin Weber, Michael B Schulman

Active Patents - MSA Auer										
Dec 1, 2014										
PIP ID	TITLE	STATUS	CATEGORY	COUNTRY	APPLICATION NO.	APPLICATION DATE	PATENT NO.	GRANT DATE	REGISTRANT	INVENTOR(S)
900855	Coupling Device For A Compressed Gas Cylinder	Issued	Utility - ORG	DE	1020040245975	5/13/04	102004024597	2/9/06	MSA Auer GmbH	Peter Kadow, Peter V Kling, Thomas Kuba, Wilfriede Weber
900856	Breathing Mask For Wearing With Or Without A Safety Helmet	Issued	Utility - ORG	DE	1020040383030	8/4/04	102004038303	9/15/05	MSA Auer GmbH	Wilfried Hoffmann, Michael Horn, Elmar Schommer
900857	Oxygen-Producing Respiratory Protection Device	Issued	Utility - ORG	DE	1020050031765	1/19/05	102005003176	7/20/06	MSA Auer GmbH	Frank Krueger, Karl Heinz Feldner, Karl-Heinz Koehrich
900858	Breathing Apparatus With Oxygen Generating Chemical For Self Rescue	Issued	Utility - ORG	DE	1020050060129	2/4/05	102005006012	7/20/06	MSA Auer GmbH	Frank Krueger, Karl Heinz Feldner
900862	Holder For Automatic Lung Devices	Issued	Utility - ORG	DE	1020070448971	9/13/07	102007044897.1	11/13/08	MSA Auer GmbH	Carsten Leuschner
900864	Mask Body For A Respiratory Half-Mask	Issued	Utility - ORG	DE	1020070552418	11/16/07	102007055241.8	10/29/09	MSA Auer GmbH	Detlef Kellow, Michael Horn
900866	Arrangement For Detachably Connecting A Respirator Mask To A Hard Hat	Issued	Utility - ORG	DE	1020070634643	12/20/07	102007063464	6/10/09	MSA Auer GmbH	Klaus Schmidtke
900868	Compressed Air Supply System For A Compressed Air Respiratory Device	Issued	Utility - ORG	DE	102012504	1/11/02	10201250.4	5/28/03	MSA Auer GmbH	Peter V Kling
900871	Infrared Sensor With Explosion-Proof Protection For Gas Metering Appliances	Issued	Utility - ORG	DE	102219540	5/14/02	10221954.0	1/15/04	MSA Auer GmbH	Axel Schubert
900872	Respiration Filter And Method For Producing The Same - Atemschutzfilter und Verfahren zu dessen Herstellung	Issued	Utility - ORG	DE	103042164	1/30/03	10304216	10/14/04	MSA Auer GmbH	Andreas Haeuser, Keith Kruegel, Wilfried Hoffmann
900875	Holding Device For Connecting A Gas Mask To A Protective Helmet	Issued	Utility - ORG	DE	103141367	3/24/03	10314136	7/15/04	MSA Auer GmbH	Tanguy Seve, Philippe Fitoussi, Wilfried Hoffmann
900877	Circuit Arrangement For Startup Current Limitation For Electronic Modules Connected To A Module Carrier	Issued	Utility - ORG	DE	103490728	10/14/03	10349072	2/3/05	MSA Auer GmbH	Andreas Lemke
959481	Holder For Automatic Lung Devices	Issued	Utility - EPPAT	DE	087875688	8/29/08	502008001968.5	12/1/10	MSA Auer GmbH	Carsten Leuschner
959502	Oxygen-Producing Respiratory Protection Device	Issued	Utility - EPPAT	DE	5020060072254	1/19/06	502006007225.4	6/16/10	MSA Auer GmbH	Frank Krueger, Karl Heinz Feldner, Karl-Heinz Koehrich
959553	Breathing Apparatus With Oxygen Generating Chemical For Self Rescue	Issued	Utility - EPPAT	DE	5020060077515	1/26/06	502006007751.5	9/1/10	MSA Auer GmbH	Frank Krueger, Karl Heinz Feldner
965065	Electrochemical Sensor with Diffusion Labyrinth - Elektrochemischer Sauerstoffsensoren	Issued	Utility - ORG	DE	1020080243922	5/15/08	102008024392.2	11/17/11	MSA Auer GmbH	Rolf Eckhardt, Martin Weber
965111	Electric Gas Sensor with Anionic Liquid Electrolyte System Including at Least One Monoalkylammonium, Dialkylammonium, or Trialkylammonium Cation	Allowed	Utility - ORG	DE	1020080442402	12/1/08			MSA Auer GmbH	Rolf Eckhardt, Ralf Warratz
965118	Cartridge for Heating Breathable Air In Training Breathing Apparatus	Issued	Utility - ORG	DE	1020080419389	9/10/08	102008041938	5/29/13	MSA Auer GmbH	Keith Kruegel, Karl Heinz Feldner
965192	Electrochemical Gas Sensors with Ionic Liquid Electrolyte Systems	Published	Utility - ORG	DE	1020080442380	12/1/08			MSA Auer GmbH	Rolf Eckhardt, Martin Weber, Kathrin Toelle, Kathrin Keller
965202	Electrochemical Gas Sensors with Ionic Liquid Electrolyte Systems	Published	Utility - ORG	DE	1020080442399	12/1/08			MSA Auer GmbH	Rolf Eckhardt, Martin Weber, Kathrin Toelle, Kathrin Keller
975028	Connection Between Breathing Mask and Automatic Lung	Issued	Utility - ORG	DE	199340455	7/16/99	19934045	5/22/03	MSA Auer GmbH	Carsten Leuschner
975066	Valve for Compressed Gas Breathing Appliance	Issued	Utility - ORG	DE	199340587	7/19/99	19934058	7/8/04	MSA Auer GmbH	Carsten Leuschner
975073	Breathing Valve for Breathing Mask, has Valve Pin and Optionally Valve Plate Made of Material with Rubber-Elastic Properties to Dampen Vibrations	Issued	Utility - ORG	DE	100201350	4/14/00	10020135.0	10/31/01	MSA Auer GmbH	Andreas Haeuser, Wilfried Hoffmann
975089	Plug-in connection for coupling artificial lung to pressurized air supply has locking spring released by simultaneous operation of two opposing push-buttons	Issued	Utility - ORG	DE	103268308	6/12/03	10326830	6/24/04	MSA Auer GmbH	Klaus Pampuch, Carsten Leuschner
975593	Connecting Part of a Breathing Mask	Issued	Utility - ORG	DE	199635986	12/23/99	19963598.6	2/22/01	MSA Auer GmbH	Klaus Schmidtke

Active Patents - MSA Auer										
Dec 2, 2014										
FP ID	TITLE	STATUS	CATEGORY	COUNTRY	APPLICATION NO.	APPLICATION DATE	PATENT NO.	GRANT DATE	REGISTRANT	INVENTOR(S)
975737	Breathing Connector for an Oxygen Producing Breathing Apparatus	Issued	Utility - ORG	DE	1020050059686	2/4/05	102005005968	7/20/06	MSA Auer GmbH	Frank Krueger, Karl Heinz Feldner
975783	Replaceable Lens System	Issued	Utility - EPPAT	DE	500140626	12/21/00	50014062.6	2/14/07	MSA Auer GmbH	Michael Horn, Hartmut Kintzel
975812	Polymer-Bonded Granular Adsorptive, Absorptive Chemisorptive, or catalytically Active Material	Issued	Utility - ORG	DE	197143504	3/26/97	19714350	12/2/04	MSA Auer GmbH	Rudolf Nastke, Gerald Rafler, Helmut Remde, Thomas Krügerke, Gabriele Stadermann, Jannett Kohls, Martin Ruch, Dieter Lubkoll
975940	Artificial Respiration Apparatus	Published	Utility - ORG	DE	1020090308199	6/26/09			MSA Auer GmbH	Peter Kadow, Florian Lux
975956	Device and Process for Obtaining Intrinsic Safety in a Radio Transmitting - Anordnung und Verfahren zur Erzielung der Eigensicherheit eines Funktransmitters	Published	Utility - ORG	DE	1020100474975	10/6/10			MSA Auer GmbH	Axel Schubert
976095	Method and Apparatus for Producing a Respiratory Filter	Issued	Utility - ORG	DE	100215823	4/27/00	10021582	7/15/04	MSA Auer GmbH	Frank Becker, Martin Kurth, Thomas Kügerke
976315	Method For Manufacturing A Filter Andv	Issued	Utility - EPPAT	DE	502008814	1/25/02	50200881	8/25/04	MSA Auer GmbH	Gabriele Stadermann, Karl-Heinz Koehrich
1027569	Circuit Arrangement For Startup Current Limitation For Electronic Modules Connected To A Module Carrier	Issued	Utility - EPPAT	DE	5020040125093	9/8/04	502004012509	5/11/11	MSA Auer GmbH	Andreas Lemke
1092691	Electrochemical Sensor with Diffusion Labyrinth	Issued	Utility - EPPAT	DE	097456909	5/7/09	602009002459.0	8/31/11	MSA Auer GmbH	Rolf Eckhardt, Martin Weber
1092703	Elektrochemischer Gassensor mit einer ionischen Flüssigkeit als Elektrolyt zum Nachweis von Ammoniak und Aminen - NH3 Ionic Liquid Sensor	Published	Utility - ORG	DE	1020110851747	10/25/11			MSA Auer GmbH	Ralf Warratz
1095959	Respiration Filter And Method For Producing The Same - Atemschutzfilter und Verfahren zu dessen Herstellung	Issued	Utility - EPPAT	DE	503138762	12/19/03	50313876	8/3/11	MSA Auer GmbH	Andreas Haeuser, Keith Kruegel, Wilfried Hoffmann
1107843	Elektrochemischer Gassensor mit einer ionischen Flüssigkeit als Elektrolyt zum Nachweis von Ammoniak und Aminen - NH3 Ionic Liquid Sensor	Published	Utility - ORG	DE	1020110875921	12/1/11			MSA Auer GmbH	Ralf Warratz
1192869	Kopplungsvorrichtung für ein Atemschutzgerät - Medium Pressure connection between two escape breathing apparatus	Published	Utility - ORG	DE	1020122019456	2/9/12			MSA Auer GmbH	Peter V Kling, Peter Kadow, Lukasz Niewiadomski
1192988	Breathing Mask For Wearing With Or Without A Safety Helmet - Atemschutz-Vollmaske zum Tragen mit oder ohne Schutzhelm	Issued	Utility - NSPCT	DE	5020050123972	7/25/05	502005012397	1/25/12	MSA Auer GmbH	Klaus Schmidtke, Wilfried Hoffmann, Michael Horn, Elmar Schommer
1200964	Mask Body For A Respiratory Half-Mask	Issued	Utility - EPPAT	DE	EP088490784	10/15/08	502008007152	5/2/12	MSA Auer GmbH	Detlef Kielow, Michael Horn
1263758	Respiratory Half Mask - Atemschutz-Halbmaske	Issued	Utility - EPPAT	DE	088509476	10/1/08	502008007348.5	5/30/12	MSA Auer GmbH	Detlef Kielow, Michael Horn, Klaus Schmidtke
1263788	Hood For A Protective Mask	Issued	Utility - EPPAT	DE	EP2009157204	4/2/09	502009003661	5/30/12	MSA Auer GmbH	Peter Kadow
1304912	Verfahren und Vorrichtung zur Detektion der Konzentration mindestens einer gasförmigen Zielsubstanz und Verwendung einer Vorrichtung - Using an NH3 Sensor	Pending	Utility - ORG	DE	10201221121154	6/28/12			MSA Auer GmbH	Ralf Warratz, Martin Weber
1328666	Atemschutzhaube - (Mask/Hood)	Published	Utility - ORG	DE	1020122151168	8/24/12			MSA Auer GmbH	Jürgen Boss, Peter Kadow
1364114	Haltesystem für eine Person und Trägerplatte für ein Atemschutzgerät	Published	Utility - ORG	DE	1020120220022	11/12/12			MSA Auer GmbH	Markus Wind
1400868	Sensor-Signalerfassung	Pending	Utility - ORG	DE	1020132230214	11/12/13			MSA Auer GmbH	Andreas Lemke
1426055	Special training device for AirElite 4h, based on Potassium Superoxide	Pending	Utility - ORG	DE	1020132138253.3	7/15/13			MSA Auer GmbH	Keith Kruegel, Karl Heinz Feldner, Michael Freitag, Karl-Heinz Koehrich, Tino Grawe
1437515	Fabric Harness with 4-Point Adjustment and Fix Forehead Attachment	Pending	Utility - ORG	DE	1020132239416	11/22/13			MSA Auer GmbH	Carsten Leuschner, Michael Horn, Klaus Schmidtke

Active Patents - MSA Auer										
Dec 4, 2014										
FIP ID	TITLE	STATUS	CATEGORY	COUNTRY	APPLICATION NO.	APPLICATION DATE	PATENT NO.	GRANT DATE	REGISTRANT	INVENTOR(S)
1461841	Simple Automatic Start Mechanism - Sicherungsvorrichtung für ein Ventil	Pending	Utility - ORG	DE	1020132199562	10/1/13			MSA Auer GmbH	Peter Kadow
1511249	Advanced Registration at a Basestation for Wireless Communication	Pending	Utility - ORG	DE	1020142070279	4/11/14			MSA Auer GmbH	Julian Moeller, Torsten Hofmann
1511278	Auto Power Saving Feature for Portable Gas Detector	Pending	Utility - ORG	DE	1020142041589	3/6/14			MSA Auer GmbH	Rene Kiewer, Ansgar Marco Schmidt, Gustavo Lopez, Marcel Hahne
1544119	Depassivation of Lithium Thionyl Chloride battery in a running Instrument - Verfahren zur Depassivierung einer Lithium-Thionyl-Batterie, eine Vorrichtung zur Durchführung des Verfahrens und eine Batterievorrichtung	Pending	Utility - ORG	DE	1020142064708	4/3/14			MSA Auer GmbH	Rene Kiewer
1557705	PM-CM Hose assembly	Pending	Utility - ORG	DE	1020142065089	4/4/14			MSA Auer GmbH	Wolfgang Weber, Thomas Kuba
1617697	Special training device for AirElite 4h, based on Potassium Superoxide	Pending	Utility - ORG	DE	1020142120209	6/23/14			MSA Auer GmbH	Keith Kruegel, Karl Heinz Feldner, Michael Freitag, Karl-Heinz Koehricht, Tino Grawe
1675517	RADIO TRANSMISSION MODULES HAVING INTRINSIC SAFETY	Pending	Utility - EPPAT	DE	117791111	10/5/11			MSA Auer GmbH	Axel Schubert
842492	Respiration Filter And Method For Producing The Same - Atemschutzfilter und Verfahren zu dessen Herstellung	Issued	Utility - NSPCT	EP	038155305	12/19/03	1513590	8/3/11	MSA Auer GmbH	Andreas Haeuser, Keith Kruegel, Wilfried Hoffmann
904853	Arrangement For Detachably Connecting A Respirator Mask To A Hard Hat	Published	Utility - NSPCT	EP	088656327	12/11/08			MSA Auer GmbH	Klaus Schmidtknecht
965120	Cartridge for Heating Breathable Air In Training Breathing Apparatus	Published	Utility - ORG	EP	091695304	9/4/09			MSA Auer GmbH	Keith Kruegel, Karl Heinz Feldner
1015973	Electric Gas Sensor with Anionic Liquid Electrolyte System Including at Least One Monoalkylammonium, Dialkylammonium, or Trialkylammonium Cation	Published	Utility - NSPCT	EP	097608517	11/25/09			MSA Auer GmbH	Rolf Eckhardt, Ralf Warratz
1015992	Electrochemical Gas Sensors with Ionic Liquid Electrolyte Systems	Published	Utility - NSPCT	EP	097608483	11/25/09			MSA Auer GmbH	Rolf Eckhardt, Martin Weber, Kathrin Toelle, Kathrin Keller
1153973	Artificial Lung	Published	Utility - NSPCT	EP	107261091	6/25/10			MSA Auer GmbH	Peter Kadow, Florian Lux
1342245	RADIO TRANSMISSION MODULES HAVING INTRINSIC SAFETY	Published	Utility - NSPCT	EP	117791111	10/5/11			MSA Auer GmbH	Axel Schubert
1567416	COUPLING DEVICE FOR A BREATHING APPARATUS	Published	Utility - NSPCT	EP		2/8/13			MSA Auer GmbH	Peter V Kling, Peter Kadow, Lukasz Niewiadomski
1567697	ELECTROCHEMICAL GAS SENSOR WITH AN IONIC LIQUID AS ELECTROLYTE FOR THE DETECTION OF AMMONIA AND AMINES	Pending	Utility - NSPCT	EP	EP127835536	10/25/12			MSA Auer GmbH	Ralf Warratz
1648500	Verfahren und Vorrichtung zur Detektion der Konzentration mindestens einer gasförmigen Zielsubstanz und Verwendung einer Vorrichtung - Using an NH3 Sensor	Pending	Utility - NSPCT	EP		3/15/13			MSA Auer GmbH	Ralf Warratz, Martin Weber
900548	Supporting Structure For A Respiratory Air Container Or Other Objects	Issued	Utility - EPPAT	ES	019359603	4/6/01	1207942	6/15/05	MSA Auer GmbH	Peter V Kling, Andreas Haeuser
900549	Support Frame For A Respiratory Air Container	Issued	Utility - EPPAT	ES	019359629	4/6/01	1253967	6/15/05	MSA Auer GmbH	Peter V Kling, Andreas Haeuser
900550	Compressed Air Supply System For A Compressed Air Respiratory Device	Issued	Utility - EPPAT	ES	028060168	12/23/02	1523439	10/19/05	MSA Auer GmbH	Peter V Kling
900553	Bottle Support For Compressed-Air Bottles	Issued	Utility - EPPAT	ES	019359611	4/6/01	1255587	6/28/06	MSA Auer GmbH	Peter V Kling, Carsten Leuschner
900554	Strap Buckle For A Fastening Strap	Issued	Utility - EPPAT	ES	027402619	4/12/02	1494558	9/13/06	MSA Auer GmbH	Jürgen Boss, Peter V Kling
900555	Holding Device For Connecting A Gas Mask To A Protective Helmet	Issued	Utility - EPPAT	ES	047124706	2/19/04	1606023	9/27/06	MSA Auer GmbH	Tanguy Seve, Philippe Fitoussi, Wilfried Hoffmann

Active Patents - MSA Auer										
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APP ID	TITLE	STATUS	CATEGORY	COUNTRY	APPLICATION NO.	APPLICATION DATE	PATENT NO.	GRANT DATE	REGISTRANT	INVENTOR(S)
900556	Circuit Arrangement Comprising A Multi-Wire Line For Supplying Current And Emitting Signals	Issued	Utility - EPPAT	ES	047624994	7/20/04	1649435	1/3/07	MSA Auer GmbH	Petrus Akkerman, Andreas Lemke, Ingmar Harry Boenke
900557	Automatic-Lung Regulator For Compressed-Air Respiration Apparatus	Issued	Utility - EPPAT	ES	027196781	3/12/02	1387708	1/17/07	MSA Auer GmbH	Carsten Leuschner, Jan Martin, Werner Mels
900558	Infrared Sensor With Explosion-Proof Protection For Gas Metering Appliances	Issued	Utility - EPPAT	ES	037202520	3/27/03	1504249	3/7/07	MSA Auer GmbH	Axel Schubert
900561	Coupling Device For A Compressed Gas Cylinder	Issued	Utility - EPPAT	ES	057559338	5/9/05	2306168	4/16/08	MSA Auer GmbH	Peter Kadow, Peter V Kling, Thomas Kuba, Wolfgang Weber
900562	Method And Arrangement For Determination Of The Residual Capacity Of Breathable Air For An Oxygen-Generating Breathing Apparatus Operated In Circuit	Issued	Utility - EPPAT	ES	067226977	3/23/06	1861173	8/13/08	MSA Auer GmbH	Frank Krueger, Karl Heinz Feldner
959504	Oxygen-Producing Respiratory Protection Device	Issued	Utility - EPPAT	ES	067224576	1/19/06	1838394	6/16/10	MSA Auer GmbH	Frank Krueger, Karl Heinz Feldner, Karl-Heinz Koehrich
975258	Head Harness For A Respirator	Issued	Utility - EPPAT	FI	027670736	7/29/02	1337299	6/6/07	MSA Auer GmbH	Michael Horn
975273	Protective Respirator With Shield Attachments	Issued	Utility - EPPAT	FI	027767300	9/20/02	1439887	7/6/05	MSA Auer GmbH	Klaus D Dahrendorf, Michael Horn, Detlef Kielow, Wolfgang Weber
975782	Replaceable Lens System	Issued	Utility - EPPAT	FI	002504488	12/21/00	1114654	2/14/07	MSA Auer GmbH	Michael Horn, Hartmut Kintzel
905140	Automatic-Lung Regulator For Compressed-Air Respiration Apparatus	Issued	Utility - EPPAT	FR	027196781	3/12/02	1387708	1/17/07	MSA Auer GmbH	Carsten Leuschner, Jan Martin, Werner Mels
905173	Blow Filter Device	Issued	Utility - EPPAT	FR	057149148	1/27/05	1722865	4/1/09	MSA Auer GmbH	Frank Becker, Detlef Kielow, Martin Weber, Michael B Schulman
905223	Bottle Support For Compressed-Air Bottles	Issued	Utility - EPPAT	FR	019359611	4/6/01	1255587	6/28/06	MSA Auer GmbH	Peter V Kling, Carsten Leuschner
918311	Connector For Respiratory Masks And/Or For Respiratory Apparatuses	Issued	Utility - EPPAT	FR	020903258	9/10/02	1314453	4/1/09	MSA Auer GmbH	Peter V Kling
959480	Holder For Automatic Lung Devices	Issued	Utility - EPPAT	FR	087875688	8/29/08	2188019	12/1/10	MSA Auer GmbH	Carsten Leuschner
959501	Oxygen-Producing Respiratory Protection Device	Issued	Utility - EPPAT	FR	067224576	1/19/06	1838394	6/16/10	MSA Auer GmbH	Frank Krueger, Karl Heinz Feldner, Karl-Heinz Koehrich
959552	Breathing Apparatus With Oxygen Generating Chemical For Self Rescue	Issued	Utility - EPPAT	FR	060900115	1/26/06	1688163	9/1/10	MSA Auer GmbH	Frank Krueger, Karl Heinz Feldner
964592	Circuit Arrangement Comprising A Multi-Wire Line For Supplying Current And Emitting Signals	Issued	Utility - EPPAT	FR	047624994	7/20/04	1649435	1/3/07	MSA Auer GmbH	Petrus Akkerman, Andreas Lemke, Ingmar Harry Boenke
975240	Warning System For Individuals Working Under Hazardous Conditions	Issued	Utility - EPPAT	FR	047147178	2/26/04	1606781	3/7/07	MSA Auer GmbH	Jürgen Boss
975248	Strap Buckle For A Fastening Strap	Issued	Utility - EPPAT	FR	027402619	4/12/02	1494558	9/13/06	MSA Auer GmbH	Jürgen Boss, Peter V Kling
975255	Infrared Sensor With Explosion-Proof Protection For Gas Metering Appliances	Issued	Utility - EPPAT	FR	037202520	3/27/03	1504249	3/7/07	MSA Auer GmbH	Axel Schubert
975259	Head Harness For A Respirator	Issued	Utility - EPPAT	FR	027670736	7/29/02	1337299	6/6/07	MSA Auer GmbH	Michael Horn
975274	Protective Respirator With Shield Attachments	Issued	Utility - EPPAT	FR	027767300	9/20/02	1439887	7/6/05	MSA Auer GmbH	Klaus D Dahrendorf, Michael Horn, Detlef Kielow, Wolfgang Weber
975406	Method And Arrangement For Determination Of The Residual Capacity Of Breathable Air For An Oxygen-Generating Breathing Apparatus Operated In Circuit	Issued	Utility - EPPAT	FR	067226977	3/23/06	1861173	8/13/08	MSA Auer GmbH	Frank Krueger, Karl Heinz Feldner
975432	Filter Blower For Gas Masks Or Hoods	Issued	Utility - EPPAT	FR	038158234	12/19/03	1594576	10/4/06	MSA Auer GmbH	Axel Schubert
975448	Compressed Air Supply System For A Compressed Air Respiratory Device	Issued	Utility - EPPAT	FR	028060168	12/21/02	1523439	10/19/05	MSA Auer GmbH	Peter V Kling
975476	Strap For A Full Respirator Mask	Issued	Utility - EPPAT	FR	012703617	10/10/01	1341583	3/21/07	MSA Auer GmbH	John F Kuhn, Wilfried Hoffmann
975489	Support Frame For A Respiratory Air Container	Issued	Utility - EPPAT	FR	019359629	4/6/01	1253967	6/15/05	MSA Auer GmbH	Peter V Kling, Andreas Haeser
975508	Supporting Structure For A Respiratory Air Container Or Other Objects	Issued	Utility - EPPAT	FR	019359603	4/6/01	1207942	6/15/05	MSA Auer GmbH	Peter V Kling, Andreas Haeser

Active Patents: MSA Auer										
										Dec 4, 2014
FIP ID	TITLE	STATUS	CATEGORY	COUNTRY	APPLICATION NO.	APPLICATION DATE	PATENT NO.	GRANT DATE	REGISTRANT	INVENTOR(S)
975609	Connecting Part of a Breathing Mask	Issued	Utility - EPPAT	FR	002504462	12/20/00	1110582	2/22/06	MSA Auer GmbH	Klaus Schmidtko
975821	Polymer-Bonded Granular Adsorptive, Absorptive Chemisorptive, or Catalytically Active Material	Issued	Utility - EPPAT	FR	981181142	9/24/98	0988889	1/19/05	MSA Auer GmbH	Rudolf Nastke, Gerald Rafter, Helmut Remde, Thomas Krügerke, Gabriele Stadermann, Jannett Kohls, Martin Ruch, Dieter Lubkoll
976126	Method and Apparatus for Producing a Respiratory Filter	Issued	Utility - EPPAT	FR	012500989	3/20/01	1149605	3/1/06	MSA Auer GmbH	Frank Becker, Martin Kurth, Thomas Krügerke
976314	Method For Manufacturing A Filter Body	Issued	Utility - EPPAT	FR	020900379	1/25/02	1247572	8/25/04	MSA Auer GmbH	Gabriele Stadermann, Karl-Heinz Koehricht
976372	Holding Device For Connecting A Gas Mask To A Protective Helmet	Issued	Utility - EPPAT	FR	047124706	2/19/04	1606023	9/27/06	MSA Auer GmbH	Tanguy Seve, Philippe Fitoussi, Wilfried Hoffmann
1027568	Circuit Arrangement For Startup Current Limitation For Electronic Modules Connected To A Module Card	Issued	Utility - EPPAT	FR	047867676	9/8/04	1673845	5/11/11	MSA Auer GmbH	Andreas Lamke
1078606	Electrochemical Sensor with Diffusion Labyrinth	Issued	Utility - EPPAT	FR	097456909	5/7/09	2286210	8/31/11	MSA Auer GmbH	Rolf Eckhardt, Martin Weber
1082808	Respiration Filter And Method For Producing The Same - Atemschutzfilter und Verfahren zu dessen Herstellung	Issued	Utility - EPPAT	FR	038155305	12/19/03	1513590	8/3/11	MSA Auer GmbH	Andreas Haeuser, Kelth Kruegel, Wilfried Hoffmann
1192987	Breathing Mask For Wearing With Or Without A Safety Helmet - Atemschutz-Vollmaske zum Tragen mit oder ohne Schutzhelm	Issued	Utility - NSPCT	FR	057712317	7/25/05	1776163	1/25/12	MSA Auer GmbH	Klaus Schmidtko, Wilfried Hoffmann, Michael Horn, Elmar Schommer
1200963	Mask Body For A Respiratory Half-Mask	Issued	Utility - EPPAT	FR	EP088490784	10/15/08	EP2209531	5/2/12	MSA Auer GmbH	Detlef Kielow, Michael Horn
1263756	Respiratory Half Mask - Atemschutz-Halbmaske	Issued	Utility - EPPAT	FR	088509476	10/1/08	2 209 532	5/30/12	MSA Auer GmbH	Detlef Kielow, Michael Horn, Klaus Schmidtko
1263787	Hood For A Protective Mask	Issued	Utility - EPPAT	FR	EP2009157204	4/2/09	2106825	5/30/12	MSA Auer GmbH	Peter Kadow
1675516	RADIO TRANSMISSION MODULES HAVING INTRINSIC SAFETY	Pending	Utility - EPPAT	FR	117791111	10/5/11			MSA Auer GmbH	Axel Schubert
905141	Automatic-Lung Regulator For Compressed-Air Respiration Apparatus	Issued	Utility - EPPAT	GB	027196781	3/12/02	1387708	1/17/07	MSA Auer GmbH	Carsten Leuschner, Jan Martin, Werner Meis
905174	Blow Filter Device	Issued	Utility - EPPAT	GB	057149148	1/27/05	1722865	4/1/09	MSA Auer GmbH	Frank Becker, Detlef Kielow, Martin Weber, Michael B Schulman
905226	Bottle Support For Compressed-Air Bottles	Issued	Utility - EPPAT	GB	019359611	4/6/01	1255587	6/28/06	MSA Auer GmbH	Peter V Kling, Carsten Leuschner
918313	Connector For Respiratory Masks And/Or For Respiratory Apparatuses	Issued	Utility - EPPAT	GB	020903258	9/10/02	1314453	4/1/09	MSA Auer GmbH	Peter V Kling
959482	Holder For Automatic Lung Devices	Issued	Utility - EPPAT	GB	087875688	8/29/08	2188019	12/1/10	MSA Auer GmbH	Carsten Leuschner
959505	Oxygen-Producing Respiratory Protection Device	Issued	Utility - EPPAT	GB	067224576	1/19/06	1838394	6/16/10	MSA Auer GmbH	Frank Krueger, Karl Heinz Feldner, Karl-Heinz Koehricht
959554	Breathing Apparatus With Oxygen Generating Chemical For Self Rescue	Issued	Utility - EPPAT	GB	060900115	1/26/06	1688163	9/1/10	MSA Auer GmbH	Frank Krueger, Karl Heinz Feldner
964211	Coupling Device For A Compressed Gas Cylinder	Issued	Utility - EPPAT	GB	057559338	5/9/05	1745231	4/16/08	MSA Auer GmbH	Peter Kadow, Peter V Kling, Thomas Kuba, Wolfgang Weber
964449	Respiratory Protection Mask For A Compressed Air Breathing Apparatus	Issued	Utility - EPPAT	GB	027720580	9/10/02	1448271	3/1/06	MSA Auer GmbH	Peter V Kling
964594	Circuit Arrangement Comprising A Multi-Wire Line For Supplying Current And Finiting Signals	Issued	Utility - EPPAT	GB	047624994	7/20/04	1649435	1/3/07	MSA Auer GmbH	Petrus Akkerman, Andreas Lernke, Ingmar Herry Boenle
975244	Warning System For Individuals Working Under Hazardous Conditions	Issued	Utility - EPPAT	GB	047147178	2/26/04	1606781	3/7/07	MSA Auer GmbH	Jürgen Boss
975251	Strap Buckle For A Fastening Strap	Issued	Utility - EPPAT	GB	027402619	4/12/02	1494558	9/13/06	MSA Auer GmbH	Jürgen Boss, Peter V Kling
975257	Infrared Sensor With Explosion-Proof Protection For Gas Metering Appliances	Issued	Utility - EPPAT	GB	037202520	3/27/03	1504249	3/7/07	MSA Auer GmbH	Axel Schubert
975262	Head Harness For A Respirator	Issued	Utility - EPPAT	GB	027670736	7/29/02	1337299	6/6/07	MSA Auer GmbH	Michael Horn

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FID NO	TITLE	STATUS	CATEGORY	COUNTRY	APPLICATION NO	APPLICATION DATE	PATENT NO	GRANT DATE	REGISTRANT	INVENTOR(S)
975277	Protective Respirator With Shield Attachments	Issued	Utility - EPPAT	GB	027767300	9/20/02	1439887	7/6/05	MSA Auer GmbH	Klaus D Dahrendorf, Michael Horn, Detlef Kielow, Wolfgang Weber
975408	Method And Arrangement For Determination Of The Residual Capacity Of Breathable Air For An Oxygen-Generating Breathing Apparatus Operated In Circuit	Issued	Utility - EPPAT	GB	067226977	3/23/06	1861173	8/13/08	MSA Auer GmbH	Frank Krueger, Karl Heinz Fekner
975495	Filter Blower For Gas Masks Or Hoods	Issued	Utility - EPPAT	GB	038158234	12/19/03	1594576	10/4/06	MSA Auer GmbH	Axel Schubert
975453	Compressed Air Supply System For A Compressed Air Respiratory Device	Issued	Utility - EPPAT	GB	028060168	12/21/02	1523439	10/19/05	MSA Auer GmbH	Peter V Kling
975477	Strap For A Full Respirator Mask	Issued	Utility - EPPAT	GB	012703617	10/10/01	1341583	3/21/07	MSA Auer GmbH	John F Kuhn, Wilfried Hoffmann
975492	Support Frame For A Respiratory Air Container	Issued	Utility - EPPAT	GB	019359629	4/6/01	1253967	6/15/05	MSA Auer GmbH	Peter V Kling, Andreas Haeuser
975511	Supporting Structure For A Respiratory Air Container Or Other Objects	Issued	Utility - EPPAT	GB	019359603	4/6/01	1207342	6/15/05	MSA Auer GmbH	Peter V Kling, Andreas Haeuser
975610	Connecting Part of a Breathing Mask	Issued	Utility - EPPAT	GB	002504462	12/20/00	1110582	2/22/06	MSA Auer GmbH	Klaus Schmidtke
975785	Replaceable Lens System	Issued	Utility - EPPAT	GB	002504488	12/21/00	1114654	2/14/07	MSA Auer GmbH	Michael Horn, Hartmut Kintzel
975823	Polymer-Bonded Granular Adsorptive, Absorptive Chemisorptive, or catalytically Active Material	Issued	Utility - EPPAT	GB	981181142	9/24/98	0988889	1/19/05	MSA Auer GmbH	Rudolf Nastke, Gerald Rafler, Helmut Remde, Thomas Krueger, Gabriele Stadermann, Jannett Kohls, Martin Kurth, Dieter Lubkoll
976130	Method and Apparatus for Producing a Respiratory Filter	Issued	Utility - EPPAT	GB	012500989	3/20/01	1149605	3/1/06	MSA Auer GmbH	Frank Becker, Martin Kurth, Thomas Krueger
976318	Method For Manufacturing A Filter Body	Issued	Utility - EPPAT	GB	020900379	1/25/02	1247572	8/25/04	MSA Auer GmbH	Gabriele Stadermann, Karl-Heinz Koehricht
976375	Holding Device For Connecting A Gas Mask To A Protective Helmet	Issued	Utility - EPPAT	GB	047124706	2/19/04	1606023	9/27/06	MSA Auer GmbH	Tanguy Seve, Philippe Fitoussi, Wilfried Hoffmann
1027570	Circuit Arrangement For Startup Current Limitation For Electronic Modules Connected To A Module Carrier	Issued	Utility - EPPAT	GB	047867676	9/8/04	1673845	5/11/11	MSA Auer GmbH	Andreas Lemke
1078613	Respiration Filter And Method For Producing The Same - Atemschutzfilter und Verfahren zu dessen Herstellung	Issued	Utility - EPPAT	GB	038155305	12/19/03	1513590	8/3/11	MSA Auer GmbH	Andreas Haeuser, Keith Kruegel, Wilfried Hoffmann
1078728	Electrochemical Sensor with Diffusion Layer	Issued	Utility - EPPAT	GB	097456909	5/7/09	2286210	8/31/11	MSA Auer GmbH	Rolf Eckhardt, Martin Weber
1192989	Breathing Mask For Wearing With Or Without A Safety Helmet - Atemschutz-Vollmaske zum Tragen mit oder ohne Schutzhelm	Issued	Utility - NSPCT	GB	057712317	7/25/05	1776163	1/25/12	MSA Auer GmbH	Klaus Schmidtke, Wilfried Hoffmann, Michael Horn, Elmar Schommer
1200967	Mask Body For A Respiratory Half-Mask	Issued	Utility - EPPAT	GB	EP088490784	10/15/08	EP2209531	5/2/12	MSA Auer GmbH	Detlef Kielow, Michael Horn
1263761	Respiratory Half Mask - Atemschutz-Halbmaske	Issued	Utility - EPPAT	GB	0885094761269	10/1/08	2 209 532	5/30/12	MSA Auer GmbH	Detlef Kielow, Michael Horn, Klaus Schmidtke
1263789	Hood For A Protective Mask	Issued	Utility - EPPAT	GB	EP2009157204	4/2/09	2106825	5/30/12	MSA Auer GmbH	Peter Kadow
1675518	RADIO TRANSMISSION MODULES HAVING INTRINSIC SAFETY	Pending	Utility - EPPAT	GB	117791111	10/5/11			MSA Auer GmbH	Axel Schubert
905224	Bottle Support For Compressed-Air Bottles	Issued	Utility - EPPAT	IT	019359611	4/6/01	1255587	6/28/06	MSA Auer GmbH	Peter V Kling, Carsten Leuschner
918312	Connector For Respiratory Masks And/Or For Respiratory Apparatuses	Issued	Utility - EPPAT	IT	020903258	9/10/02	1314453	4/1/09	MSA Auer GmbH	Peter V Kling
964208	Coupling Device For A Compressed Gas Cylinder	Issued	Utility - EPPAT	IT	057559338	5/9/05	1745231	4/16/08	MSA Auer GmbH	Peter Kadow, Peter V Kling, Thomas Kuba, Wolfgang Weber
964593	Circuit Arrangement Comprising A Multi-Wire Line For Supplying Current And Emitting Signals	Issued	Utility - EPPAT	IT	047624994	7/20/04	1649435	1/3/07	MSA Auer GmbH	Petrus Akkerman, Andreas Lemke, Ingmar Heuy Boenig
975241	Warning System For Individuals Working Under Hazardous Conditions	Issued	Utility - EPPAT	IT	047147178	2/26/04	1606781	3/7/07	MSA Auer GmbH	Jürgen Boss
975249	Strap Buckle For A Fastening Strap	Issued	Utility - EPPAT	IT	027402619	4/12/02	1494558	9/13/06	MSA Auer GmbH	Jürgen Boss, Peter V Kling
975256	Infrared Sensor With Explosion-Proof Protection For Gas Metering Appliances	Issued	Utility - EPPAT	IT	037202520	3/27/03	1504249	3/7/07	MSA Auer GmbH	Axel Schubert

Active Patents - MSA Auer										
Dec 2, 2014										
FPID	TITLE	STATUS	CATEGORY	COUNTRY	APPLICATION NO.	APPLICATION DATE	PATENT NO.	GRANT DATE	REGISTRANT	INVENTOR(S)
975260	Head Harness For A Respirator	Issued	Utility - EPPAT	IT	027670736	7/29/02	1337299	6/6/07	MSA Auer GmbH	Michael Horn
975275	Protective Respirator With Shield Attachments	Issued	Utility - EPPAT	IT	027767300	9/20/02	1439887	7/6/05	MSA Auer GmbH	Klaus D Dahrendorf, Michael Horn, Detlef Kielow, Wolfgang Weber
975433	Filter Blower For Gas Masks Or Hoods	Issued	Utility - EPPAT	IT	038158234	12/19/03	1594576	10/4/06	MSA Auer GmbH	Axel Schubert
975449	Compressed Air Supply System For A Compressed Air Respiratory Device	Issued	Utility - EPPAT	IT	028060168	12/21/02	1523439	10/19/05	MSA Auer GmbH	Peter V Kling
975490	Support Frame For A Respiratory Air Container	Issued	Utility - EPPAT	IT	019359629	4/6/01	1253967	6/15/05	MSA Auer GmbH	Peter V Kling, Andreas Haeuser
975509	Supporting Structure For A Respiratory Air Container Or Other Objects	Issued	Utility - EPPAT	IT	019359603	4/6/01	1207942	6/15/05	MSA Auer GmbH	Peter V Kling, Andreas Haeuser
976127	Method and Apparatus for Producing a Respiratory Filter	Issued	Utility - EPPAT	IT	012500989	3/20/01	1149605	3/1/06	MSA Auer GmbH	Frank Becker, Martin Kurth, Thomas Kürgerke
976316	Method For Manufacturing A Filter Body	Issued	Utility - EPPAT	IT	020900379	1/25/02	1247572	8/25/04	MSA Auer GmbH	Gabriele Stadermann, Karl-Heinz Koehrich
976373	Holding Device For Connecting A Gas Mask To A Protective Helmet	Issued	Utility - EPPAT	IT	047124706	2/19/04	1606023	9/27/06	MSA Auer GmbH	Tanguy Seve, Philippe Fitoussi, Wilfried Hoffmann
1200965	Mask Body For A Respiratory Half-Mask	Issued	Utility - EPPAT	IT	EP088490784	10/15/08	EP2209531	5/2/12	MSA Auer GmbH	Detlef Kielow, Michael Horn
1263759	Respiratory Half Mask - Atemschutz-Halbmäskke	Issued	Utility - EPPAT	IT	0885094761269	10/1/08	35206E2012	5/30/12	MSA Auer GmbH	Detlef Kielow, Michael Horn, Klaus Schmidtke
900740	Coupling Device For A Compressed Gas Cylinder	Issued	Utility - NSPCT	JP	JP2007511858	5/9/05	JP 4-547003	9/22/10	MSA Auer GmbH	Peter Kadow, Peter V Kling, Thomas Kuba, Wolfgang Weber
976103	Method and Apparatus for Producing a Respiratory Filter	Issued	Utility - NSPCT	JP	2001115120	4/13/01	3580364	7/30/04	MSA Auer GmbH	Frank Becker, Martin Kurth, Thomas Kürgerke
976236	Method For Manufacturing A Filter Body	Issued	Utility - NSPCT	JP	2002098816	4/1/02	3888924	12/8/06	MSA Auer GmbH	Gabriele Stadermann, Karl-Heinz Koehrich
1015974	Electrochemical Gas Sensor with An Ionic Liquid Electrolyte System Including at Least One Monoalkylammonium, Dialkylammonium, or Trialkylammonium Cation	Issued	Utility - NSPCT	JP	2011537965	11/25/09	5524231	4/18/14	MSA Auer GmbH	Rolf Eckhardt, Ralf Warratz
1015993	Electrochemical Gas Sensors with Ionic Liquid Electrolyte Systems	Issued	Utility - NSPCT	JP	2011537961	11/25/09	5432276	12/13/13	MSA Auer GmbH	Rolf Eckhardt, Martin Weber, Kathrin Toelle, Kathrin Keller
1567698	ELECTROCHEMICAL GAS SENSOR WITH AN IONIC LIQUID AS ELECTROLYTE FOR THE DETECTION OF AMMONIA AND AMINES	Pending	Utility - NSPCT	JP	100074332	10/25/12			MSA Auer GmbH	Ralf Warratz
1014204	ELECTROCHEMICAL GAS SENSOR WITH AN IONIC LIQUID ELECTROLYTE SYSTEM INCLUDING AT LEAST ONE MONOALKYLAMMONIUM, DIALKYLAMMONIUM, OR TRIALKYLAMMONIUM CATION	Published	Utility - NSPCT	KP	1020117012566	11/25/09			MSA Auer GmbH	Rolf Eckhardt, Ralf Warratz
1015991	Electrochemical Gas Sensors with Ionic Liquid Electrolyte Systems	Published	Utility - NSPCT	KP	1020117015130	11/25/09			MSA Auer GmbH	Rolf Eckhardt, Martin Weber, Kathrin Toelle, Kathrin Keller
1567699	ELECTROCHEMICAL GAS SENSOR WITH AN IONIC LIQUID AS ELECTROLYTE FOR THE DETECTION OF AMMONIA AND AMINES	Pending	Utility - NSPCT	KR	1020147013382	10/25/12			MSA Auer GmbH	Ralf Warratz
964209	Coupling Device For A Compressed Gas Cylinder	Issued	Utility - EPPAT	NL	057559338	5/9/05	1745231	4/16/08	MSA Auer GmbH	Peter Kadow, Peter V Kling, Thomas Kuba, Wolfgang Weber
975242	Warning System For Individuals Working Under Hazardous Conditions	Issued	Utility - EPPAT	NL	047147178	2/26/04	1606781	3/7/07	MSA Auer GmbH	Jürgen Boss
975407	Method And Arrangement For Determination Of The Residual Capacity Of Breathable Air For An Oxygen-Generating Breathing Apparatus Operated in Circuit	Issued	Utility - EPPAT	NL	067226977	3/23/06	1861173	8/13/08	MSA Auer GmbH	Frank Krueger, Karl Heinz Feldner

Active Patents - MSA Auer										
Dec 2, 2014										
FIP ID	TITLE	STATUS	CATEGORY	COUNTRY	APPLICATION NO.	APPLICATION DATE	PATENT NO.	GRANT DATE	REGISTRANT	INVENTOR(S)
975822	Polymer-Bonded Granular Adsorptive, Absorptive Chemisorptive, or Catalytically Active Material	Issued	Utility - EPPAT	NL	981181142	9/24/98	0988889	1/19/05	MSA Auer GmbH	Rudolf Nastke, Gerald Rafler, Helmut Remde, Thomas Krügerke, Gabriele Stadermann, Jannett Kohls, Martin Kurth, Dieter Lühmann
976128	Method and Apparatus for Producing a Respiratory Filter	Issued	Utility - EPPAT	NL	012500989	3/20/01	1149605	3/1/06	MSA Auer GmbH	Frank Becker, Martin Kurth, Thomas Krügerke
976374	Holding Device For Connecting A Gas Mask To A Protective Helmet	Issued	Utility - EPPAT	NL	047124706	2/19/04	1606023	9/27/06	MSA Auer GmbH	Tanguy Seve, Philippe Fitoussi, Wilfried Hoffmann
959503	Oxygen-Producing Respiratory Protection Device	Issued	Utility - EPPAT	PL	067224576	1/19/06	1838394	6/16/10	MSA Auer GmbH	Frank Krueger, Karl Heinz Feldner, Karl-Heinz Koehricht
1200966	Mask Body For A Respiratory Half-Mask	Issued	Utility - EPPAT	PL	EP088490784	10/15/08	EP2209531	5/2/12	MSA Auer GmbH	Detlef Kielow, Michael Horn
1263760	Respiratory Half Mask - Atemschutz-Halbmaste	Issued	Utility - EPPAT	PL	0885094761209	10/1/08	2 209 532	5/30/12	MSA Auer GmbH	Detlef Kielow, Michael Horn, Klaus Schmidke
900791	Holding Device For Connecting A Gas Mask To A Protective Helmet	Issued	Utility - NSPCT	RU	200518260012	2/19/04	2301694	6/27/07	MSA Auer GmbH	Tanguy Seve, Philippe Fitoussi, Wilfried Hoffmann
900793	Coupling Device For A Compressed Gas Cylinder	Issued	Utility - NSPCT	RU	200614410306	5/9/05	RU2351831	4/10/09	MSA Auer GmbH	Peter Kadow, Peter V Kling, Thomas Kuba, Wolfraue Weher
1015975	Electric Gas Sensor with Anionic Liquid Electrolyte System Including at Least One Monoalkylammonium, Dialkylammonium, or Trialkylammonium Cation	Issued	Utility - NSPCT	RU	2011121754	11/25/09	2512675	2/11/14	MSA Auer GmbH	Rolf Eckhardt, Ralf Warratz
1015994	Electrochemical Gas Sensors with Ionic Liquid Electrolyte Systems	Issued	Utility - NSPCT	RU	2011121751	11/25/09	2502067	12/20/13	MSA Auer GmbH	Rolf Eckhardt, Martin Weber, Kathrin Toelle, Kathrin Keller
1567700	ELECTROCHEMICAL GAS SENSOR WITH AN IONIC LIQUID AS ELECTROLYTE FOR THE DETECTION OF AMMONIA AND AMINES	Pending	Utility - NSPCT	RU	2014120795	10/25/12			MSA Auer GmbH	Ralf Warratz
905225	Bottle Support For Compressed-Air Bottles	Issued	Utility - EPPAT	SE	019359611	4/6/01	1255587	6/28/06	MSA Auer GmbH	Peter V Kling, Carsten Leuschner
964210	Coupling Device For A Compressed Gas Cylinder	Issued	Utility - EPPAT	SE	057559338	5/9/05	1745231	4/16/08	MSA Auer GmbH	Peter Kadow, Peter V Kling, Thomas Kuba, Wolfraue Weher
975243	Warning System For Individuals Working Under Hazardous Conditions	Issued	Utility - EPPAT	SE	047147178	2/26/04	1606781	3/7/07	MSA Auer GmbH	Jürgen Boss
975250	Strap Buckle For A Fastening Strap	Issued	Utility - EPPAT	SE	027402619	4/12/02	1494558	9/13/06	MSA Auer GmbH	Jürgen Boss, Peter V Kling
975261	Head Harness For A Respirator	Issued	Utility - EPPAT	SE	027670736	7/29/02	1337299	6/6/07	MSA Auer GmbH	Michael Horn
975276	Protective Respirator With Shield Attachments	Issued	Utility - EPPAT	SE	027767300	9/20/02	1439887	7/6/05	MSA Auer GmbH	Klaus D Dahrendorf, Michael Horn, Detlef Kielow, Wolfgang Weher
975434	Filter Blower For Gas Masks Or Hoods	Issued	Utility - EPPAT	SE	038158234	12/19/03	1594576	10/4/06	MSA Auer GmbH	Axel Schubert
975452	Compressed Air Supply System For A Compressed Air Respiratory Device	Issued	Utility - EPPAT	SE	028060168	12/21/02	1523439	10/19/05	MSA Auer GmbH	Peter V Kling
975491	Support Frame For A Respiratory Air Container	Issued	Utility - EPPAT	SE	019359629	4/6/01	1253967	6/15/05	MSA Auer GmbH	Peter V Kling, Andreas Haeuser
975510	Supporting Structure For A Respiratory Air Container Or Other Objects	Issued	Utility - EPPAT	SE	019359603	4/6/01	1207942	6/15/05	MSA Auer GmbH	Peter V Kling, Andreas Haeuser
975784	Replaceable Lens System	Issued	Utility - EPPAT	SE	002504488	12/21/00	1114654	2/14/07	MSA Auer GmbH	Michael Horn, Hartmut Kitzel
976129	Method and Apparatus for Producing a Respiratory Filter	Issued	Utility - EPPAT	SE	012500989	3/20/01	1149605	3/1/06	MSA Auer GmbH	Frank Becker, Martin Kurth, Thomas Krügerke
976317	Method For Manufacturing A Filter Body	Issued	Utility - EPPAT	SE	020900379	1/25/02	1247572	8/25/04	MSA Auer GmbH	Gabriele Stadermann, Karl-Heinz Koehricht
1105092	Respiration Filter And Method For Producing The Same - Atemschutzfilter und Verfahren zu dessen Herstellung	Issued	Utility - EPPAT	SE	038155305	12/19/03	1513590	8/3/11	MSA Auer GmbH	Andreas Haeuser, Keith Kruegel, Wilfried Hoffmann
842700	Supporting Structure For A Respiratory Air Container Or Other Objects	Issued	Utility - NSPCT	US	10220096	4/6/01	6848120	2/1/05	MSA Auer GmbH	Peter V Kling, Andreas Haeuser
842706	Bottle Support Of Compressed-Air Bottles	Issued	Utility - NSPCT	US	10276985	4/6/01	7331553	2/19/08	MSA Auer GmbH	Peter V Kling, Carsten Leuschner

Active Patents - MSA Auer										
										Dec 7, 2014
FIP ID	TITLE	STATUS	CATEGORY	COUNTRY	APPLICATION NO.	APPLICATION DATE	PATENT NO.	GRANT DATE	REGISTRANT	INVENTOR(S)
842714	Respirator Mask With Supplementary Panels	Issued	Utility - NSPCT	US	10494023	9/20/02	7293560	11/13/07	MSA Auer GmbH	Klaus D Dahrendorf, Michael Horn, Detlef Kielow, Wolfgang Weber
842715	Infrared Sensor With Explosion-Proof Protection For Gas Metering Appliances	Issued	Utility - NSPCT	US	10514144	3/27/03	7285782	10/23/07	MSA Auer GmbH	Axel Schubert
842717	Compressed Air Supply System For A Compressed Air Respiratory Device	Issued	Utility - NSPCT	US	10501123	12/21/02	7322350	1/29/08	MSA Auer GmbH	Peter V Kling
842721	Filter And Blower Unit For Breathing Masks Or Bonnets	Issued	Utility - NSPCT	US	10542689	12/19/03	7484509	2/3/09	MSA Auer GmbH	Axel Schubert
842847	Strap For A Full Respirator Mask	Issued	Utility - NSPCT	US	10257810	10/10/01	6883519	4/26/05	MSA Auer GmbH	John F Kuhn, Wilfried Hoffmann
842870	Support Frame For A Respiratory Air Container	Issued	Utility - NSPCT	US	10311792	8/28/03	7198186	4/3/07	MSA Auer GmbH	Peter V Kling, Andreas Hauger
842872	Circuit Arrangement For Startup Current Limitation For Electronic Modules Connected To A Module Carrier	Issued	Utility - NSPCT	US	10575493	9/8/04	7528506	5/5/09	MSA Auer GmbH	Andreas Lemke
905181	Blow Filter Device	Issued	Utility - NSPCT	US	10592424	8/21/07	8118025	2/21/12	MSA Auer GmbH	Frank Becker, Detlef Kielow, Martin Weber, Michael B Schulman
959506	Oxygen-Producing Respiratory Protection Device	Issued	Utility - NSPCT	US	11795701	1/19/06	8230854	7/31/12	MSA Auer GmbH	Frank Krueger, Karl Heinz Feldner, Karl-Heinz Koshricht
964221	Coupling Device For A Compressed Gas Cylinder	Issued	Utility - NSPCT	US	11596265	5/9/05	7757712	7/20/10	MSA Auer GmbH	Peter Kadow, Peter V Kling, Thomas Kuba, Wolfgang Weber
964466	Respirator Mask For A Compressed Air Breathing Apparatus	Issued	Utility - NSPCT	US	10497134	9/10/02	7673630	3/9/10	MSA Auer GmbH	Peter V Kling
964597	Circuit Arrangement Comprising A Multi-Wire Line For Supplying Current And Emitting Signals	Issued	Utility - NSPCT	US	10566690	7/20/04	7456635	11/25/08	MSA Auer GmbH	Petrus Akkerman, Andreas Lemke, Ingmar Harry Boenig
964636	Respiratory Half Mask	Issued	Utility - NSPCT	US	12742704	10/1/08	8905536	8/13/13	MSA Auer GmbH	Detlef Kielow, Michael Horn, Klaus Schmidtke
964666	BREATHING MASK	Issued	Utility - NSPCT	US	08716476	9/19/96	5669375	9/23/97	MSA Auer GmbH	Klaus D Dahrendorf, JOACHIM Schlobahn, Wolfgang Drews, GUENTER Von Kopp, JOACHIM Sless
965075	Electrochemical Sensor with Diffusion Labyrinth	Issued	Utility - NSPCT	US	12992148	5/7/09	US863266582	1/21/14	MSA Auer GmbH	Rolf Eckhardt, Martin Weber
975601	Connecting Part of a Breathing Mask	Issued	Utility - NSPCT	US	09746591	12/21/00	6561189	5/13/03	MSA Auer GmbH	Klaus Schmidtke
975790	Replaceable Lens System	Issued	Utility - NSPCT	US	09749300	12/27/00	6394600	5/28/02	MSA Auer GmbH	Michael Horn, Hartmut Kintzel
975828	Polymer-Bonded Material	Issued	Utility - ORG	US	09161357	9/25/98	6083439	7/4/00	MSA Auer GmbH	Rudolf Nastke, Gerald Raffler, Helmut Remde, Gabriele Stadermann, Jannett Kohls, Dieter Luthke
975831	Polymer-Bonded Material	Issued	Utility - DIV	US	09428011	9/25/98	6429165	8/6/02	MSA Auer GmbH	Rudolf Nastke, Gerald Raffler, Helmut Remde, Gabriele Stadermann, Jannett Kohls, Dieter Luthke
976100	Method and Apparatus for Producing a Respiratory Filter	Issued	Utility - NSPCT	US	09837499	4/18/01	7288223	10/30/07	MSA Auer GmbH	Frank Becker, Martin Kurth, Thomas Kargerke
976237	Method For Manufacturing A Filter Body	Issued	Utility - NSPCT	US	10114623	4/2/02	6998080	2/14/06	MSA Auer GmbH	Gabriele Stadermann, Karl-Heinz Koshricht
976377	Holding Device For Connecting A Gas Mask To A Protective Helmet	Issued	Utility - NSPCT	US	10550517	2/19/05	7866010	1/11/11	MSA Auer GmbH	Tanguy Seve, Philippe Fitoussi, Wilfried Hoffmann
1015976	Electric Gas Sensor with Anionic Liquid Electrolyte System Including at Least One Monoalkylammonium, Dialkylammonium, or Trialkylammonium Cation	Issued	Utility - NSPCT	US	13131391	11/25/09	8623189	1/7/14	MSA Auer GmbH	Rolf Eckhardt, Ralf Waratz
1015995	Electrochemical Gas Sensors with Ionic Liquid Electrolyte Systems	Published	Utility - NSPCT	US	13131324	11/25/09			MSA Auer GmbH	Rolf Eckhardt, Martin Weber, Katrin Toelle, Kathrin Keller
1016433	Electrochemical Solid-State Sensor for Chlorine	Issued	Utility - NSPCT	US	08648655	5/15/96	6074540	6/13/00	MSA Auer GmbH	Alfa Kroll, Dieter Mäh
1034034	Respirator Mask For A Compressed Air Breathing Apparatus	Issued	Utility - CON	US	12687522	1/14/10	8245712	8/21/12	MSA Auer GmbH	Peter V Kling

Active Patents - MSA Auer										
										Dec 2, 2014
FIG. ID	TITLE	STATUS	CATEGORY	COUNTRY	APPLICATION NO.	APPLICATION DATE	PATENT NO.	GRANT DATE	REGISTRANT	INVENTOR(S)
1152304	Artificial Lung	Published	Utility - NSPCT	US	13380576	6/25/10			MSA Auer GmbH	Peter Kadow, Florian Lux
1342246	RADIO TRANSMISSION MODULES HAVING INTRINSIC SAFETY	Allowed	Utility - NSPCT	US	13878110	10/5/11			MSA Auer GmbH	Axel Schubert
1567417	COUPLING DEVICE FOR A BREATHING APPARATUS	Pending	Utility - NSPCT	US		2/8/13			MSA Auer GmbH	Peter V Kling, Peter Kadow, Lukasz Niewiadomski
1567701	ELECTROCHEMICAL GAS SENSOR WITH AN IONIC LIQUID AS ELECTROLYTE FOR THE DETECTION OF AMMONIA AND AMINES	Pending	Utility - NSPCT	US		10/25/12			MSA Auer GmbH	Ralf Warratz
1648501	Methods and Devices for Detection of the Concentration of at Least one Gaseous Target Substance and Use of a Device - Verfahren und Vorrichtung zur Detektion der Konzentration mindestens einer gasförmigen Zielsubstanz und Verwendung einer Vorrichtung - Using an NH3 Sensor	Pending	Utility - NSPCT	US		3/15/13			MSA Auer GmbH	Ralf Warratz, Martin Weber
1353992	ELECTROCHEMICAL GAS SENSOR WITH AN IONIC LIQUID AS ELECTROLYTE FOR THE DETECTION OF AMMONIA AND AMINES	Published	Utility - ORG	WO	PCTEP12071141	10/25/12			MSA Auer GmbH	Ralf Warratz
1358220	Methods and Devices for Detection of the Concentration of at Least one Gaseous Target Substance and Use of a Device - Verfahren und Vorrichtung zur Detektion der Konzentration mindestens einer gasförmigen Zielsubstanz und Verwendung einer Vorrichtung - Using an NH3 Sensor	Pending	Utility - ORG	WO	PCTEP2013055463	3/15/13			MSA Auer GmbH	Ralf Warratz, Martin Weber
1388603	COUPLING DEVICE FOR A BREATHING APPARATUS	Published	Utility - ORG	WO	PCTEP13052490	2/8/13			MSA Auer GmbH	Peter V Kling, Peter Kadow, Lukasz Niewiadomski
1388609	Atemschutzhaube - (Mask/Hood)	Published	Utility - ORG	WO	PCTEP2013055292	3/14/13			MSA Auer GmbH	Jürgen Boss, Peter Kadow
1468002	Special training device for AirElite 4h, based on Potassium superoxide	Pending	Utility - ORG	WO	PCTEP2014065155	7/15/14			MSA Auer GmbH	Kelth Kruegel, Karl Heinz Feldner, Michael Freitag, Karl-Heinz Koehricht, Tino Grawe
1480734	HOLDING SYSTEM FOR A PERSON AND CARRIER PLATE FOR A RESPIRATORY PROTECTIVE DEVICE	Published	Utility - ORG	WO	PCTEP2013073580	11/12/13			MSA Auer GmbH	Markus Wind
1516984	Sensor-Signalerfassung	Pending	Utility - ORG	WO	PCTEP2014074052	11/7/14			MSA Auer GmbH	Andreas Lenke
1519211	Simple Automatic Start Mechanism Sicherungsvorrichtung für ein Ventil	Pending	Utility - ORG	WO	PCTEP2014071064	10/1/14			MSA Auer GmbH	Peter Kadow
900827	Compressed Air Supply System For A Compressed Air Respiratory Device	Issued	Utility - NSPCT	ZA	20041050	12/21/02	ZA200404050	7/27/05	MSA Auer GmbH	Peter V Kling
900828	Breathing Apparatus With Oxygen Generating Chemical For Self Rescue	Issued	Utility - NSPCT	ZA	ZA200600993	2/3/06	ZA200600993	3/28/07	MSA Auer GmbH	Frank Krueger, Karl Heinz Feldner
900831	Oxygen-Producing Respiratory Protection Device	Issued	Utility - NSPCT	ZA	ZA200705527	1/19/06	ZA200705527	4/30/08	MSA Auer GmbH	Frank Krueger, Karl Heinz Feldner, Karl-Heinz Koehricht
964635	Respiratory Half Mask	Issued	Utility - NSPCT	ZA	201003949	10/1/08	2010/03949	3/30/11	MSA Auer GmbH	Detlef Kielow, Michael Horn, Klaus Schmidtke
975416	Mask Body For A Respiratory Half-Mask	Issued	Utility - NSPCT	ZA	201003948	10/15/08	2010/03948	3/30/11	MSA Auer GmbH	Detlef Kielow, Michael Horn
975741	Breathing Connector for an Oxygen Producing Breathing Apparatus	Issued	Utility - NSPCT	ZA	200600995	2/3/06	200600995	3/28/07	MSA Auer GmbH	Frank Krueger, Karl Heinz Feldner
1073695	Polymer-Bonded Granular Adsorptive, Absorptive Chemisorptive, or catalytically Active Material	Issued	Utility - NSPCT	ZA	988616	9/21/98	1998/08616	6/6/99	MSA Auer GmbH	Rudolf Nasike, Gerald Raifer, Helmut Remde, Thomas Krügerke, Gabriele Stadermann, Jannett Kohls, Martin Kuehn, Dieter Lubbock

PATENT

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