

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT3849154

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
ARTECEL SCIENCES, INC.		03/06/2003
RECEIVING PARTY DATA		
Name:	ARTECEL, INC	
Street Address:	7600 WISCONSIN AVENUE	
City:	BETHESDA	
State/Country:	MARYLAND	
Postal Code:	20814	
PROPERTY NUMBERS Total: 19		
Property Type	Number	
Patent Number:	7078230	
Patent Number:	6555374	
Patent Number:	8486700	
Patent Number:	6391297	
Patent Number:	7179649	
Application Number:	11656571	
Application Number:	14941399	
Patent Number:	6429013	
Patent Number:	6841150	
Patent Number:	7078232	
Patent Number:	7033587	
Patent Number:	8048673	
Application Number:	11450213	
Patent Number:	8911994	
Application Number:	14570127	
Application Number:	09287907	
Application Number:	09592420	
Application Number:	09592019	
Application Number:	09592421	

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DATE SIGNED:	04/27/2016

Total Attachments: 6

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PATENT ASSIGNMENT ABSTRACT

This Patent Assignment Abstract is made pursuant to the Asset Purchase Agreement dated March 6, 2003, (the "Purchase Agreement") by and between Artecet Sciences, Inc., a Delaware corporation (the "Assignor") and Artecet, Inc., a Delaware corporation (the "Assignee").

WHEREAS, pursuant to the Purchase Agreement, Assignor assigned to Assignee all right, ownership and title to all of the Acquired Assets as defined by the Purchase Agreement, including those patents and patent applications set forth in Exhibit A hereto (the "Assignment").

Recordal of this Patent Assignment Abstract with the United States Patent and Trademark Office (USPTO) is respectfully requested.

ASSIGNOR:

ARTECEL SCIENCES, INC.

By: 

Title: ACTING CEO

Date: April 22, 2016

ASSIGNEE:

ARTECEL, INC.

By: 

Title: ACTING CEO

Date: April 22, 2016

EXHIBIT A

<u>Country</u>	<u>Title</u>	<u>Application No.</u>	<u>Registration No.</u>	<u>Filing Date</u>	<u>Issue Date</u>	<u>Status</u>
China	Adipose Tissue-Derived Stromal Cells For The Repair Of Corneal And Intra-Orbital Defects And Uses Thereof	ZL02823467.7	ZL02823467.7	11/8/2002	722/2009	Issued
Mexico	Adipose Tissue-Derived Stromal Cells For The Repair Of Corneal And Intra-Orbital Defects And Uses Thereof	PA/A/2004/004 309	282108	11/8/2002	12/14/2010	Issued
Russia	Adipose Tissue-Derived Stromal Cells For The Repair Of Corneal And Intra-Orbital Defects And Uses Thereof	2004117533	2331668	11/8/2002	8/20/2008	Issued
Singapore	Adipose Tissue-Derived Stromal Cells For The Repair Of Corneal And Intra-Orbital Defects And Uses Thereof	2004025201	104459	11/8/2002	6/30/2006	Issued
Austria	Pleuropotent Stem Cells Generated From Adipose Tissue-Derived Stromal Cells And Uses Thereof	EP1261694	1261694	2/26/2001	1/16/2008	Issued
Australia	Pleuropotent Stem Cells Generated From Adipose Tissue-Derived Stromal Cells And Uses Thereof	2001238695	2001238695	2/26/2001	3/9/2006	Issued
Belgium	Pleuropotent Stem Cells Generated From Adipose Tissue-Derived Stromal Cells And Uses Thereof	20010911175	1261694	2/26/2001	1/16/2008	Issued
Canada	Pleuropotent Stem Cells Generated From Adipose Tissue-Derived Stromal Cells And Uses Thereof	2400485	2400485	2/26/2001	4/29/2014	Issued
Switzerland	Pleuropotent Stem Cells Generated From Adipose Tissue-Derived Stromal Cells And Uses Thereof	20010911175	1261694	2/26/2001	1/16/2008	Issued
Germany	Pleuropotent Stem Cells Generated From Adipose Tissue-Derived Stromal Cells And Uses Thereof	20010911175	1261694	2/26/2001	1/16/2008	Issued
Denmark	Pleuropotent Stem Cells Generated From Adipose Tissue-Derived Stromal Cells And Uses Thereof	20010911175	1261694	2/26/2001	1/16/2008	Issued
Europe	Pleuropotent Stem Cells Generated From Adipose Tissue-Derived Stromal Cells And Uses Thereof	20010911175	1261694	2/26/2001	1/16/2008	Issued
Europe	Pleuropotent Stem Cells Generated From Adipose Tissue-Derived Stromal Cells And Uses Thereof	20080075017 (Pub. 1918366)	n/a	2/26/2001	n/a	Pending
Finland	Pleuropotent Stem Cells Generated From Adipose Tissue-Derived Stromal Cells And Uses Thereof	20010911175	1261694	2/26/2001	1/16/2008	Issued
France	Pleuropotent Stem Cells Generated From Adipose Tissue-Derived Stromal Cells And Uses Thereof	20010911175	1261694	2/26/2001	1/16/2008	Issued
Great Britain	Pleuropotent Stem Cells Generated From Adipose Tissue-Derived Stromal Cells And Uses Thereof	20010911175	1261694	2/26/2001	1/16/2008	Issued
Israel	Pleuropotent Stem Cells Generated From Adipose Tissue-Derived Stromal Cells And Uses Thereof	151228	151228	2/26/2001	9/30/2013	Issued

Country	Title	Application No.	Registration No.	Filing Date	Issue Date	Status
Ireland	Pleuriptent Stem Cells Generated From Adipose Tissue-Derived Stromal Cells And Uses Thereof	20010911175	1261694	2/26/2001	1/16/2008	Issued
Italy	Pleuriptent Stem Cells Generated From Adipose Tissue-Derived Stromal Cells And Uses Thereof	20010911175	1261694	2/26/2001	1/16/2008	Issued
Luxembourg	Pleuriptent Stem Cells Generated From Adipose Tissue-Derived Stromal Cells And Uses Thereof	20010911175	1261694	2/26/2001	1/16/2008	Issued
Monaco	Pleuriptent Stem Cells Generated From Adipose Tissue-Derived Stromal Cells And Uses Thereof	20010911175	1261694	2/26/2001	1/16/2008	Issued
Malaysia	Pleuriptent Stem Cells Generated From Adipose Tissue-Derived Stromal Cells And Uses Thereof	PI20064544	n/a	2/26/2001	n/a	Pending
Malaysia	Pleuriptent Stem Cells Generated From Adipose Tissue-Derived Stromal Cells And Uses Thereof	PI2014003337	n/a	2/26/2001	n/a	Pending
Netherlands	Pleuriptent Stem Cells Generated From Adipose Tissue-Derived Stromal Cells And Uses Thereof	20010911175	1261694	2/26/2001	1/16/2008	Issued
Portugal	Pleuriptent Stem Cells Generated From Adipose Tissue-Derived Stromal Cells And Uses Thereof	20010911175	1261694	2/26/2001	1/16/2008	Issued
Spain	Pleuriptent Stem Cells Generated From Adipose Tissue-Derived Stromal Cells And Uses Thereof	20010911175	1261694	2/26/2001	1/16/2008	Issued
Sweden	Pleuriptent Stem Cells Generated From Adipose Tissue-Derived Stromal Cells And Uses Thereof	20010911175	1261694	2/26/2001	1/16/2008	Issued
Singapore	Pleuriptent Stem Cells Generated From Adipose Tissue-Derived Stromal Cells And Uses Thereof	2002051803	91417	2/26/2001	10/29/2004	Issued
Singapore	Pleuriptent Stem Cells Generated From Adipose Tissue-Derived Stromal Cells And Uses Thereof	20040053666	134168	2/26/2001	5/31/2011	Issued
USA	An adipose tissue-derived stromal cell that expressed characteristics of a neuronal cell	09/793173	7078230	2/26/2001	7/18/2006	Issued
Canada	Multiple Mesodermal Lineage Differentiation Potentials For Adipose Tissue-Derived Stromal Cells And Uses Thereof	2316400	6/3/2014	8/18/2000	6/3/2014	Issued
Japan	Multiple Mesodermal Lineage Differentiation Potentials For Adipose Tissue-Derived Stromal Cells And Uses Thereof	2000-249591	4180228	8/21/2000	9/5/2008	Issued
USA	Multiple Mesodermal Lineage Differentiation Potentials For Adipose Tissue-Derived Stromal Cells And Uses Thereof	09/638544	6555374	8/14/2000	4/29/2003	Issued
USA	Multiple Mesodermal Lineage Differentiation Potentials For Adipose Tissue-Derived Stromal Cells And Uses Thereof	13/085250	8486700	4/12/2011	7/16/2013	Issued
India	Endocrine Pancreas Differentiation Of Adipose Tissue-Derived Stromal Cells And Uses Thereof	3862/KOLNP/2007	n/a	11/12/2002	n/a	Pending

<u>Country</u>	<u>Title</u>	<u>Application No.</u>	<u>Registration No.</u>	<u>Filing Date</u>	<u>Issue Date</u>	<u>Status</u>
Russia	Endocrine Pancreas Differentiation Of Adipose Tissue-Derived Stromal Cells And Uses Thereof	2004117530	2351648	11/12/2002	4/10/2009	Issued
Singapore	Endocrine Pancreas Differentiation Of Adipose Tissue-Derived Stromal Cells And Uses Thereof	2004024444	104423	11/12/2002	6/30/2006	Issued
Canada	Differentiation Of Adipose Stromal Cells Into Osteoblasts And Uses Thereof	2312847	2312847	12/1/1998	9/30/2014	Issued
Switzerland	Differentiation Of Adipose Stromal Cells Into Osteoblasts And Uses Thereof	98960593.6	1036163	12/1/1998	8/18/2010	Issued
China	Differentiation Of Adipose Stromal Cells Into Osteoblasts And Uses Thereof	98811794.0	1280612	12/1/1998	9/15/2004	Issued
China	Differentiation Of Adipose Stromal Cells Into Osteoblasts And Uses Thereof	200410059026.X	1584020	12/1/1998	8/19/2009	Issued
Germany	Differentiation Of Adipose Stromal Cells Into Osteoblasts And Uses Thereof	98960593.6	1036163	12/1/1998	8/18/2010	Issued
Europe	Differentiation Of Adipose Stromal Cells Into Osteoblasts And Uses Thereof	98960593.6	1036163	12/1/1998	8/18/2010	Issued
Spain	Differentiation Of Adipose Stromal Cells Into Osteoblasts And Uses Thereof	98960593.6	1036163	12/1/1998	8/18/2010	Issued
France	Differentiation Of Adipose Stromal Cells Into Osteoblasts And Uses Thereof	98960593.6	1036163	12/1/1998	8/18/2010	Issued
Great Britain	Differentiation Of Adipose Stromal Cells Into Osteoblasts And Uses Thereof	98960593.6	1036163	12/1/1998	8/18/2010	Issued
Hong Kong	Differentiation Of Adipose Stromal Cells Into Osteoblasts And Uses Thereof	5107298.9	1075062	12/1/1998	5/7/2010	Issued
Italy	Differentiation Of Adipose Stromal Cells Into Osteoblasts And Uses Thereof	98960593.6	1036163	12/1/1998	8/18/2010	Issued
Japan	Differentiation Of Adipose Stromal Cells Into Osteoblasts And Uses Thereof	2000523321	2001525165	12/1/1998	11/28/2008	Issued
Japan	Differentiation Of Adipose Stromal Cells Into Osteoblasts And Uses Thereof	2007336030	2008099808	12/1/1998	10/23/2009	Issued
Netherlands	Differentiation Of Adipose Stromal Cells Into Osteoblasts And Uses Thereof	98960593.6	1036163	12/1/1998	8/18/2010	Issued
USA	Differentiation Of Adipose Stromal Cells Into Osteoblasts And Uses Thereof	09/554868	6391297	5/19/2000	5/21/2002	Issued
USA	Differentiation Of Adipose Stromal Cells Into Osteoblasts And Uses Thereof	10/061214	7179649	3/14/2002	2/20/2007	Issued
USA	Differentiation Of Adipose Stromal Cells Into Osteoblasts And Uses Thereof	11/656571	0200255	1/23/2007	12/1/2015	Issued

<u>Country</u>	<u>Title</u>	<u>Application No.</u>	<u>Registration No.</u>	<u>Filing Date</u>	<u>Issue Date</u>	<u>Status</u>
USA	Differentiation Of Adipose Stromal Cells Into Osteoblasts And Uses Thereof	14/941399	n/a	11/13/2015	n/a	Pending
Canada	Use Of Adipose Tissue-Derived Stromal Cells For Chondrocyte Differentiation And Cartilage Repair	2316413	2316413	8/18/2000	11/5/2013	Issued
Switzerland	Use Of Adipose Tissue-Derived Stromal Cells For Chondrocyte Differentiation And Cartilage Repair	00307155.2	1077253	8/21/2000	6/14/2006	Issued
China	Use Of Adipose Tissue-Derived Stromal Cells For Chondrocyte Differentiation And Cartilage Repair	00128981.0	1306085	8/21/2000	11/16/2005	Issued
Germany	Use Of Adipose Tissue-Derived Stromal Cells For Chondrocyte Differentiation And Cartilage Repair	00307155.2	1077253	8/21/2000	6/14/2006	Issued
Europe	Use Of Adipose Tissue-Derived Stromal Cells For Chondrocyte Differentiation And Cartilage Repair	00307155.2	1077253	8/21/2000	6/14/2006	Issued
Spain	Use Of Adipose Tissue-Derived Stromal Cells For Chondrocyte Differentiation And Cartilage Repair	00307155.2	1077253	8/21/2000	6/14/2006	Issued
France	Use Of Adipose Tissue-Derived Stromal Cells For Chondrocyte Differentiation And Cartilage Repair	00307155.2	1077253	8/21/2000	6/14/2006	Issued
Great Britain	Use Of Adipose Tissue-Derived Stromal Cells For Chondrocyte Differentiation And Cartilage Repair	00307155.2	1077253	8/21/2000	6/14/2006	Issued
Italy	Use Of Adipose Tissue-Derived Stromal Cells For Chondrocyte Differentiation And Cartilage Repair	00307155.2	1077253	8/21/2000	6/14/2006	Issued
Japan	Use Of Adipose Tissue-Derived Stromal Cells For Chondrocyte Differentiation And Cartilage Repair	2000250009	201103965	8/21/2000	4/17/2009	Issued
Netherlands	Use Of Adipose Tissue-Derived Stromal Cells For Chondrocyte Differentiation And Cartilage Repair	00307155.2	1077253	8/21/2000	6/14/2006	Issued
Sweden	Use Of Adipose Tissue-Derived Stromal Cells For Chondrocyte Differentiation And Cartilage Repair	00307155.2	1077253	8/21/2000	6/14/2006	Issued
Taiwan	Use Of Adipose Tissue-Derived Stromal Cells For Chondrocyte Differentiation And Cartilage Repair	89115958	243207	8/21/2000	11/11/2005	Issued
USA	Use Of Adipose Tissue-Derived Stromal Cells For Chondrocyte Differentiation And Cartilage Repair	09/573,989	6429013	5/17/2000	8/6/2002	Issued
USA	Use Of Adipose Tissue-Derived Stromal Cells For Chondrocyte Differentiation And Cartilage Repair	10/125,106	6841150	4/18/2002	1/11/2005	Issued
USA	Use Of Adipose Tissue-Derived Stromal Cells For Chondrocyte Differentiation And Cartilage Repair	10/713,906	7078232	1/14/2003	7/18/2006	Issued
USA	Use Of Adipose Tissue-Derived Stromal Cells For Chondrocyte Differentiation And Cartilage Repair	10/980,137	7033587	11/1/2004	4/25/2006	Issued
USA	Use Of Adipose Tissue-Derived Stromal Cells For Chondrocyte Differentiation And Cartilage Repair	11/408,381	8048673	4/21/2006	11/1/2011	Issued

<u>Country</u>	<u>Title</u>	<u>Application No.</u>	<u>Registration No.</u>	<u>Filing Date</u>	<u>Issue Date</u>	<u>Status</u>
USA	Use Of Adipose Tissue-Derived Stromal Cells For Chondrocyte Differentiation And Cartilage Repair	11/450,213	n/a	6/8/2006	n/a	Pending
USA	Use Of Adipose Tissue-Derived Stromal Cells For Chondrocyte Differentiation And Cartilage Repair	13/250,742	8911994	9/30/2011	12/16/2014	Issued
USA	Use Of Adipose Tissue-Derived Stromal Cells For Chondrocyte Differentiation And Cartilage Repair	14/570,127	n/a	12/15/2014	n/a	Pending
USA	Modulation Of The Sulfonylurea Receptor And Calcium In Adipocytes For Treatment Of Obesity/Diabetes	09/287907	6,100,047	4/7/1999	8/8/2000	Issued
USA	Screening For Sur1 Antagonists Using Adipocytes	09/592420	6,242,200	6/12/2000	6/5/2001	Issued
USA	Modulation Of The Sulfonylurea Receptor And Calcium In Adipocytes For Treatment Of Obesity/Diabetes	09/592019	6,492,130	6/12/2000	12/10/2002	Issued
USA	Modulation Of The Sulfonylurea Receptor And Calcium In Adipocytes For Treatment Of Obesity/Diabetes	09/592421	6,569,633	6/12/2000	5/27/2003	Issued

[Exhibit A to Patent Assignment Abstract]

RECORDED: 04/27/2016

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REEL: 038397 FRAME: 0688