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To the Honorable Commissioner of Palents and Trademarks: F	Please record the attached original documents or copy there	of.
1. Name of conveying party(les):	Name and address of receiving party(les):	
Richard D. Brewer, Craig Davidson, Graham R. Purkins and Stephen J.	Name: 3M Innovative Properties	
Graham R. Purkins and Stephen J.	Company	
Howgill	Internal Address:	
Additional name(s) of conveying party(les) attached? □ Yes 및 No		
3. Nature of conveyance:		
Assignment □ Merger	Street Address: P.O. Box 33427	
W Variation		
☐ Security Agreement ☐ Change of Name	55	133-
☐ Other	City: St. Paul State: MN ZIP: 34	
September 8,20, 9 October 6		
Execution Date: 2011	Additional name(s) & address(es) attached? 🔾 Yes - 🥸 No	>
4. Application number(s) or patent number(s):		
	·	
If this document is being filed together with a new application, the	e execution date of the application is:	
A. Patent Application No.(s)	B. Patent No.(s)	
29/390,100, filed April 20, 2011		
j Additional numbers attac	ched? Dives 181 No	
		-
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:	
Name: Erik M. Drange		
•		
internal Address:	7. Total fee (37 CFR 3.41):\$ 40.00	**************************************
	☐ Enclosed-	
	Mark that a day to a be a second to do not be a second	
Office of Intellectual	Authorized to be charged to deposit account	
Street Address: Property Counsel		
3M Innovative Properties Company P. O. Box 33427	8. Deposit account number:	
55133-	. 13-3723	
City: St. Paul State: MN ZIP: 3427	(Attach duplicate copy of this page if paying by deposit a	ccount)
DO NOT USE	THIS SPACE	,
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 Statement and signature. To the best of my knowledge and belief, the foregoing inform 	mation is true and correct and any attached conv is a true	roov
of the original document.	A CONTROL OF THE CONT	W
۶.	(1.1) _ 10/31/11	
Erik M. Drange CC Name of Person Signing	Signature Date	*****************
Name of Helson glidning	Total number of pages comprising cover sheet: 9	
OMB No. 0651-0011 (exp. 4/94)		

PATENT REEL: 027159 FRAME: 0594

Docket No.: 67510US002

ASSIGNMENT OF APPLICATION

Whereas I/we, the below named inventor(s), with residence and citizenship as indicated below, have made an invention in

	INHALER
	for which an application for a United States Patent is being filed contemporaneously herewith;
×	for which an application for a United States Patent Identified as U.S. Patent Application No. 29/390,100, was filed on April 20, 2011
	which application is identified as PCT International Patent Application No. ; filed ;

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I/we have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and Interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment with 3M COMPANY and any of its existing or future subsidiaries), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me/us had this assignment and transfer not been made;

I/We do further agree for myself/ourselves and for my/our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I/we lawfully may, that may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or inventors' Certificates in any and all countries; and

I/We do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M innovative Properties Company, as the assignee of the entire right, title, and interest therein.

In witness whereof, I/we have signed my/our name(s) on the day and year set forth below.

Given Name (first and middle [if any]): Richard D.	Family Name or Surname: Brewer		
Inventor's Signature:	Date: 08 SEP 2011		
Residence: Loughborough, Leicestershire	Country: United Kingdom	Citizenship: United Kingdom	
Witness Witness			

Assignment

Page 1 of 2

Docket No.: 67510US002

	Family Name or Surname:		
Craig	Davidson		
Inventor's Signature:	Date:		
Residence:	Country:	Citizenship:	
Loughborough, Leicestershire	United	United Kingdom	
	Kingdom		
Witness	Witness		
	Paul		
Given Name (first and middle [if any]): Graham R.	Family Name or S	Surname:	
inventor's Signature:	Date:		
Residence: West Sussex	Country: United	Citizenship: United Kingdom	
West Sussex	Kingdom	Officed Kingdom	
1	**************************************		
Witness	Witness		
Phone Name (flood and middle fill anoth)	Fourths Name on		
Given Name (first and middle [if any]): Stephen J.	Family Name or Surname: Howgill		
Inventor's Signature:	Date:		
Residence:	Country:	Citizenship:	
Thurcaston, Leicestershire	United	United Kingdom	
	Kingdom		
Witness	Witness		

Docket No.: 67510US002

ASSIGNMENT OF APPLICATION

Whereas I/we, the below named inventor(s), with residence and citizenship as indicated below, have made an invention in

	INHALER
	for which an application for a United States Patent is being filed contemporaneously herewith;
\boxtimes	for which an application for a United States Patent Identified as U.S. Patent Application No. 29/390,100, was filed on April 20, 2011
	which application is identified as PCT International Patent Application No. ; filed ;

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I/we have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment with 3M COMPANY and any of its existing or future subsidiaries), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me/us had this assignment and transfer not been made;

I/We do further agree for myself/ourselves and for my/our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I/we lawfully may, that may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries; and

I/We do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M innovative Properties Company, as the assignee of the entire right, title, and interest therein.

In witness whereof, I/we have signed my/our name(s) on the day and year set forth below.

Given Name (first and middle [if any]): Richard D.	Family Name or Surname: Brewer	
Inventor's Signature:	Date:	
Residence: Loughborough, Lelcestershire	Country: United Kingdom	Citizenship: United Kingdom
Witness	Witness	

Assignment Page 1 of 2 Docket No.: 57510US002

Given Name (first and middle [if any]): Craig	Family Name or Surname: Davidson		
Inventor's Signature:	Davidson		
CiDaudon	20/09/11		
Residence: Loughborough, Leicestershire	Country: United Kingdom	Citizenship: United Kingdom	
Juilled	Witness	AN	
Given Name (first and middle [if any]): Graham R.	Family Name or Surne Purkins	ame:	
Inventor's Signature:	Date:		
Residence: West Sussex	Country: United Kingdom	Citizenship: United Kingdom	
Witness	Witness		
Given Name (first and middle [if any]): Stephen J.	Family Name or Surn	ame: .	
Inventor's Signature:	Date:		
Residence: Thurcaston, Leicestershire	Country: United Kingdom	Citizenship: United Kingdom	
Witness	Witness		

Docket No.: 67510US002

ASSIGNMENT OF APPLICATION

Whereas I/we, the below named inventor(s), with residence and citizenship as indicated below, have made an invention in **INHALER** for which an application for a United States Patent is being filed contemporaneously herewith; of for which an application for a United States Patent identified as U.S. Patent Application No. 29/390,100, was filed on April 20, 2011 which application is identified as PCT International Patent Application No.; filed; Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I/we have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment with 3M COMPANY and any of its existing or future subsidiaries), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me/us had this assignment and transfer not been made; I/We do further agree for myself/ourselves and for my/our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I/we lawfully may, that may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries; and I/We do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein. In witness whereof, I/we have signed my/our name(s) on the day and year set forth below. Given Name (first and middle [if any]): Family Name or Surname: Richard D. Brewer Inventor's Signature: Date: Country: Citizenship: Residence: United Kingdom United Kingdom Loughborough, Lelcestershire Witness Witness

Page 1 of 2

Docket No.: 67510US002

Given Name (first and middle [if any]): Craig	Family Name or Surname: Davidson	
Inventor's Signature:	Date:	
Residence: Loughborough, Leicestershire	Country: United Kingdom	Citizenship: United Kingdom
Witness	Witness	
Given Name (first and mlddle [if any]):	Family Name or Surna	ame:
Graham R.	Purkins	
Inventor's Signature	Date: 09-Sept -2011	
Residence: West Sussex	Gountry: United Kingdom	Cltizenship: United Kingdom
Slle	12.1	
Witness	Witness	
Given Name (first and middle [if any]):	Family Name or Surn	ame:
Stephen J.	Howgill	
Inventor's Signature:	Date:	
Residence: Thurcaston, Leicestershire	Country: United Kingdom	Citizenship: United Kingdom
Witness	Witness	

ASSIGNMENT OF APPLICATION

Whereas I/we, the below named inventor(s), with residence and citizenship as indicated below, have made an vention in

INHALER

-] for which an application for a United States Patent is being filed contemporaneously herewith;
- for which an application for a United States Patent identified as U.S. Patent Application No. 29/390,100, was filed on April 20, 2011
-] which application is identified as PCT international Patent Application No.; filed;

Now, therefore, for good and valuable consideration, recelpt of which is acknowledged, I/we have greed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES OMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal fice at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said vention and application, and in and to any division or continuation (in whole or in part) of said application, and in ad to any and all improvements in the said invention made by me or made jointly with others (provided any such provement is made during, or within one year after the termination of, my employment with 3M COMPANY and my of its existing or future subsidiaries), and in and to any and all Letters Patent, reexaminations, reissues, or xtensions thereof, of the United States of America and countries foreign thereto (including the right to apply for atters Patent, Utility Models, or inventors' Certificates in foreign countries in its own name and to claim any riority rights for such foreign applications to which such applications are entitled under international conventions, eatles, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said evention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by refuse had this assignment and transfer not been made;

I/We do further agree for myself/ourselves and for my/our heirs, executors, and administrators, to execute nd deliver without further consideration any further applications, assignments, and documents, and to perform uch other acts as I/we lawfully may, that may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent,

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In witness whereof, I/we have signed my/our name(s) on the day and year set forth below.

Given Name (first and middle [if any]): Richard D.	Family Name or Surname: Brewer	
Inventor's Signature:	Date:	
Residence: Loughborough, Leicestershire	Country: United Kingdom	Citizenship: United Kingdom
Witness		

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Page 1 of 2

Docket No.: 67510US002

PATENT REEL: 027159 FRAME: 0601

Graig	Hamily Name or Surname; Davidson	
Inventor's Signature:	Date:	
Residence: Loughborough, Leicestershire	Country:	Citizenship:
Loughborough, Laicesterstille	United Kingdom	United Kingdom
Witness	Witness	
Given Name (first and middle [if any]): Graham R.	Family Name or Surnama; Purkins	
Inventor's Signature;	Date;	
Residence:	Country: Cltizenship:	
West Sussex	United Kingdom	United Kingdom
Witness	Witness	
Given Name (first and middle [if any]): Stephen J.	Family Name or Surname:	
Inventor's Signature:	Date: 06.10.2011	
Residence: Thurcaston, Leicestershire	Country: United Kingdom	Citizenship: United Kingdom
	BiO Unaught	/
Witness	Witness	

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Page 2 of 2

Docket No.: 67510US002