

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5467841

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HANWHA AEROSPACE CO., LTD.	03/29/2019

RECEIVING PARTY DATA

Name:	HANWHA PRECISION MACHINERY CO., LTD.
Street Address:	84, JEONGDONG-RO, SEONGSAN-GU,
Internal Address:	GYEONGSANGNAM-DO,
City:	CHANGWON-SI
State/Country:	KOREA, REPUBLIC OF

PROPERTY NUMBERS Total: 59

Property Type	Number
Patent Number:	D830439
Patent Number:	D836691
Patent Number:	6179190
Patent Number:	6473188
Patent Number:	6308403
Patent Number:	6634091
Patent Number:	6695032
Patent Number:	7243828
Patent Number:	7281323
Patent Number:	7302755
Patent Number:	7464850
Patent Number:	7816179
Patent Number:	7448130
Patent Number:	8276267
Patent Number:	7493689
Patent Number:	7617587
Patent Number:	8060233
Patent Number:	8006373
Patent Number:	8658965
Patent Number:	8769809

PATENT

Property Type	Number
Patent Number:	8881380
Patent Number:	8505194
Patent Number:	9049810
Patent Number:	9049809
Patent Number:	9258936
Patent Number:	9530557
Patent Number:	9126338
Patent Number:	9414536
Patent Number:	9580264
Patent Number:	9345186
Patent Number:	9052295
Patent Number:	9200912
Patent Number:	9435685
Patent Number:	9981387
Patent Number:	7584877
Patent Number:	7803661
Patent Number:	7810635
Patent Number:	7886796
Patent Number:	8015697
Patent Number:	8037588
Patent Number:	8126587
Patent Number:	8291580
Patent Number:	8294760
Patent Number:	8359735
Patent Number:	8489220
Patent Number:	8667671
Patent Number:	8733245
Patent Number:	8789266
Patent Number:	8793867
Patent Number:	8797397
Patent Number:	9055709
Application Number:	14419781
Application Number:	14496458
Application Number:	14708927
Application Number:	15470039
Application Number:	15334441
Application Number:	15603559
Application Number:	15460763

Property Type	Number
Application Number:	15494767

CORRESPONDENCE DATA

Fax Number: (202)293-7860
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.

Phone: 202-293-7060

Email: ejacob@sughrue.com, ppark@sughrue.com, sughrue@sughrue.com

Correspondent Name: SUGHRUE MION, PLLC

Address Line 1: 2100 PENNSYLVANIA AVENUE, N.W.

Address Line 2: SUITE 800

Address Line 4: WASHINGTON, D.C. 20037

ATTORNEY DOCKET NUMBER:	018119
NAME OF SUBMITTER:	EVELYN JACOB
SIGNATURE:	/Evelyn Jacob/
DATE SIGNED:	04/10/2019

Total Attachments: 3
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source=018119018119Aerospace100toPrecision100pdf#page2.tif
source=018119018119Aerospace100toPrecision100pdf#page3.tif

Assignment

Whereas, **Hanwha Aerospace Co., Ltd.** of 1204, Changwon-daero, Seongsan-gu, Changwon-si, Gyeongsangnam-do, Republic of Korea, hereinafter referred to as "Assignor", is owner of the entire right, title and interest of United States Patents and Patent Applications listed in the Appendix attached hereto.

Whereas, **Hanwha Precision Machinery Co., Ltd.**, of 84, Jeongdong-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do, Republic of Korea, hereinafter referred to as "Assignee", desires to acquire the entire right, title, and interest of the Assignor in said United States Patents and Applications, so Assignee becomes the sole owner of the entire right, title and interest of said United States Patents and Applications.

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged, Assignor hereby sells, assigns and transfers to Assignee, its successors and assigns, the entire right, title and interest in said United States Patents and Applications, and any continuations, divisionals, reissues and/or re-examinations thereof, together with all claims for damages by reason of past infringement, with the right of Assignee to sue for and collect the same for their own use and enjoyment.

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

The undersigned (whose title is supplied below) is authorized to act on behalf of the application (e.g., where the applicant is a juristic entity).

Hanwha Aerospace Co., Ltd.

Date: March 29, 2019

By: (signature) Lee Jaesung

(name) Lee Jaesung

(title) Director

APPENDIX

United States Patent Application Numbers:

1.	14/419,781
2.	14/496,458
3.	14/708,927
4.	15/470,039
5.	15/334,441
6.	15/603,559
7.	15/460,763
8.	15/494,767

United States Patent Numbers:

1.	D830,439
2.	D836,691
3.	6,179,190
4.	6,473,188
5.	6,308,403
6.	6,634,091
7.	6,695,032
8.	7,243,828
9.	7,281,323
10.	7,302,755
11.	7,464,850
12.	7,816,179
13.	7,448,130
14.	8,276,267
15.	7,493,689
16.	7,617,587
17.	8,060,233
18.	8,006,373
19.	8,658,965

20.	8,769,809
21.	8,881,380
22.	8,505,194
23.	9,049,810
24.	9,049,809
25.	9,258,936
26.	9,530,557
27.	9,126,338
28.	9,414,536
29.	9,580,264
30.	9,345,186
31.	9,052,295
32.	9,200,912
33.	9,435,685
34.	9,981,387
35.	7,584,877
36.	7,803,661
37.	7,810,635
38.	7,886,796
39.	8,015,697
40.	8,037,588
41.	8,126,587
42.	8,291,580
43.	8,294,760
44.	8,359,735
45.	8,489,220
46.	8,667,671
47.	8,733,245
48.	8,789,266
49.	8,793,867
50.	8,797,397
51.	9,055,709