



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 19 89 55 03

Classification of the application (IPC):
B23F 3/00, B22F 3/10, B22F 3/11, B33Y 80/00, B23P 15/26

Technical fields searched (IPC):
B33Y, F28D

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2017064868 A1 (RUSH BRIAN [US] ET AL) 02 March 2017 (2017-03-02) * paragraph [0071]; claims 1,8,9,17; figures 9a-9c, 21a *	1-15
X	US 2018320985 A1 (SALIM SHIRAZY MAHMOODREZA [CA] ET AL) 08 November 2018 (2018-11-08) * paragraph [0083] - paragraph [0156]; figures 1-7 *	1-15
X	US 2018120912 A1 (JENKINS KURT [US] ET AL) 03 May 2018 (2018-05-03) * column 0037 - column 0044; figure 3 * * column 0056 *	1-15
X	EP 3346220 A1 (BOEING CO [US]) 11 July 2018 (2018-07-11) * claim 13; figures 2-7 *	1-15

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 07 December 2021	Examiner Jessen, Flemming
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CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 07-12-2021
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US 2018320985	A1	08-11-2018	NONE		
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			US	2018187979 A1	05-07-2018