



Europäisches
Patentamt
European
Patent Office
Office européen
des brevets

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 77 91 50

Classification of the application (IPC):

B22F 3/10, B22F 5/08, C22C 38/00, C22C 33/02, B22F 3/03, B22F 3/24,
B22F 3/02

Technical fields searched (IPC):

B22F, C22C

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
Y A	DE 102014110903 A1 (HOERBIGER ANTRIEBSTECHNIK HOLD [DE]) 04 February 2016 (2016-02-04) * page 2, paragraph [0008] * * page 3, paragraphs [0014], [0027] * * figure 1 *	1-5 7, 8
X Y A	WO 2005102565 A1 (HOEGANAES AB [SE]; SKOGLUND PAUL [SE]; KEJZELMAN MIKHAIL [SE]; BERGMAR) 03 November 2005 (2005-11-03) * page 7, lines 8-10; claims 1, 2 * * claims 4, 12 *	6 1-5 7, 8
X A	WO 0228576 A2 (KEYSTONE INVEST CORP [US]; ANDERSON GARY L [US]; MUROSKI JEROME E [US]) 11 April 2002 (2002-04-11) * page 5, lines 1-10 * * page 9, lines 21-22; figure 4a *	6-8 1-5
A	US 2015217371 A1 (NARUMI ISSHIN [JP] ET AL) 06 August 2015 (2015-08-06) * the whole document *	1-8
A	ROBERT-PERRON E ET AL: "MACHINABILITY OF GREEN POWDER METALLURGY COMPONENTS: PART I. CHARACTERIZATION OF THE INFLUENCE OF TOOL WEAR" <i>METALLURGICAL AND MATERIALS TRANSACTIONS A: PHYSICAL METALLURGY & MATERIALS SCIENCE,</i> <i>ASM INTERNATIONAL, MATERIALS PARK, OH, US, 01 June 2007</i> (2007-06-01), vol. 6, no. 38A, DOI: 10.1007/S11661-007-9191-9, ISSN: 1073-5623, pages 1330-1336, XP001508165 * the whole document *	1-8

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 The Hague	Date of completion of the search 20 December 2018	Examiner Helgadóttir, Inga
------------------------------	--	-------------------------------

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

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 77 91 50

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
A	<p>ROBERT-PERRON E ET AL: "MACHINABILITY OF GREEN POWDER METALLURGY COMPONENTS: PART II. SINTERED PROPERTIES OF COMPONENTS MACHINED IN GREEN STATE" <i>METALLURGICAL AND MATERIALS TRANSACTIONS A: PHYSICAL METALLURGY & MATERIALS SCIENCE</i>, ASM INTERNATIONAL, MATERIALS PARK, OH, US, 01 June 2007 (2007-06-01), vol. 6, no. 38A, DOI: 10.1007/S11661-007-9187-5, ISSN: 1073-5623, pages 1337-1342, XP001508166</p> <p>* the whole document *</p>	1-8

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 The Hague	Date of completion of the search 20 December 2018	Examiner Helgadóttir, Inga
------------------------------	--	-------------------------------

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

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.



ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 77 91 50

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 20-12-2018
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 102014110903 A1	04-02-2016	CN 105312584 A	10-02-2016
		DE 102014110903 A1	04-02-2016
WO2005102565 A1	03-11-2005	AT 471779 T	15-07-2010
		AU 2005235503 A1	03-11-2005
		BR PI0510000 A	18-09-2007
		CA 2563621 A1	03-11-2005
		CN 1946500 A	11-04-2007
		EP 1740332 A1	10-01-2007
		ES 2347803 T3	04-11-2010
		JP 4887287 B2	29-02-2012
		JP 2007533857 A	22-11-2007
		JP 2010202980 A	16-09-2010
		KR 20060134220 A	27-12-2006
		RU 2343042 C2	10-01-2009
		TW I285140 B	11-08-2007
		WO 2005102565 A1	03-11-2005
ZA 200608030 B	30-07-2008		
WO 0228576 A2	11-04-2002	AU 7924801 A	15-04-2002
		US 6592809 B1	15-07-2003
		WO 0228576 A2	11-04-2002
US 2015217371 A1	06-08-2015	CN 104815979 A	05-08-2015
		JP 6273869 B2	07-02-2018
		JP 2015143376 A	06-08-2015
		US 2015217371 A1	06-08-2015