



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 18 81 96 09

Classification of the application (IPC):
B24B 3/33, B24B 41/02, B24B 27/00

Technical fields searched (IPC):
B24B

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
Y A	WO 2016074067 A1 (CME BLASTING & MINING EQUIP [CA]) 19 May 2016 (2016-05-19) * page 11, lines 7-12; figures 3,4 * * abstract *	1-8, 10 9
Y A	WO 2004085113 A1 (ATLAS COPCO SECOROC AB [SE]; LINDGREN HANS [SE]) 07 October 2004 (2004-10-07) * abstract * * page 6, lines 1-16 *	1-8, 10 9
Y A	WO 0204169 A2 (SJOLANDER ROBERT [CA]; SJOLANDER BJORN [CA]; SJOLANDER BO [CA]) 17 January 2002 (2002-01-17) * rotation motor 54;figure 11 *	1-6, 10 7-9
Y A	EP 0472508 A1 (CONSTR MINING EQUIP CME [SE]) 26 February 1992 (1992-02-26) * column 5, lines 1-5 *	1-6, 10 7-9
X	WO 2007102764 A1 (SANDVIK INTELLECTUAL PROPERTY [SE]; BERGQUIST ARNE [SE]) 13 September 2007 (2007-09-13) * figures 1,2 *	7
A	WO 2004073923 A1 (CME BLASTING & MINING EQUIP [CA]; SJOLANDER BJORN [CA] ET AL.) 02 September 2004 (2004-09-02) * claims 1-8 * * gear box, relevant for claim 2;page 26, lines 1-5 *	1-10

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 24 November 2020	Examiner Arhire, Irina
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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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LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-10

The special technical features representing the contribution over the prior art D1 of claim 1 is that the also the gyration motor is a hydraulic motor. According to the present description (see e.g. page 1, lines 21-23), the technical problem to be solved is to provide a reliable solution under difficult working conditions such as cold and humid conditions.

2. claim: 11

The special technical features representing the contribution over the prior art D1 of claim 11 are defined in the characterizing portion of claim 11. According to the present description (see e.g. page 3, lines 2-3), the technical problem to be solved is to provide an efficient splash protection arrangement covering the end of the grinding cup when grinding takes place.

None of the further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the first mentioned in the claims, namely claims: 1-10

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 24 November 2020	Examiner Arhire, Irina
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& : 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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The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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