

Title (en)

ABRASIVE HEADS WITH CLEAN GAS INFEED

Title (de)

SCHLEIFKÖPFE MIT REINGASEINSPEISUNG

Title (fr)

TÊTES ABRASIVES COMPORTANT UNE ALIMENTATION EN GAZ PROPRE

Publication

EP 3572186 A1 20191127 (EN)

Application

EP 19174330 A 20190514

Priority

CZ 2018000235 W 20180522

Abstract (en)

An abrasive head with clean gas (96) infeed (26) for cleaning/removing material surfaces and splitting/cutting materials by a liquid beam (21) enriched with solid abrasive particles to extend the tool lifetime by eliminating damage to the liquid jet's aperture by the abrasive, avoid degrading the abrasive inside the tool and increase the cutting power and flow efficiency.

IPC 8 full level

B24C 7/00 (2006.01); **B24C 5/04** (2006.01)

CPC (source: EP)

B24C 5/04 (2013.01); **B24C 7/0076** (2013.01)

Citation (applicant)

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- EP 3094448 A1 20161123 - FLOW INT CORP [US]
- US 4995202 A 19910226 - GARDNER JEFFREY G [US], et al
- JP S6228173 B2 19870618
- GB 774624 A 19570515 - JOHN ALEXANDER JOHNSON, et al
- EP 2853349 A1 20150401 - WATER JET SWEDEN AB [SE]
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- US 2016129551 A1 20160512 - KATA AKIRA [JP]

Citation (search report)

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- [X] EP 2321093 B1 20130102 - FLOW INT CORP [US]
- [X] US 2005017091 A1 20050127 - OLSEN JOHN H [US], et al
- [X] US 2017326706 A1 20171116 - SATO SHO [JP], et al
- [X] WO 9219384 A1 19921112 - INGERSOLL RAND CO [US]
- [A] WO 2016071866 A1 20160512 - INST OF GEONICS AS CR V V I [CZ]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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