

Title (en)  
Milling device

Title (de)  
Fräsvorrichtung

Title (fr)  
Dispositif de fraisage

Publication  
**EP 3056660 A1 20160817 (EN)**

Application  
**EP 15155049 A 20150213**

Priority  
EP 15155049 A 20150213

Abstract (en)  
The present disclosure generally relates to a milling device (10). The milling device (10) includes a first row of cutting discs (14) mounted on a first circumference, and a second row of cutting discs (18) mounted on a second circumference. The second row of cutting discs (18) is offset from the first row of cutting discs (14) in a longitudinal direction of the milling device (10), and the second circumference is arranged relative to the first circumference such that the second row of cutting discs (18) projects at least in part radially outward from the first row of cutting discs (14). Therefore, the first and second rows of cutting discs (14, 18) cut a material to be removed at a different depth, with a predetermined distance (X) formed between the cuts in order to achieve a substantially continuous milling line.

IPC 8 full level  
**E21C 27/24** (2006.01)

CPC (source: CN EP RU)  
**E21C 25/06** (2013.01 - RU); **E21C 25/16** (2013.01 - EP); **E21C 27/24** (2013.01 - CN EP RU)

Citation (applicant)  
WO 2006079536 A1 20060803 - DBT [DE], et al

Citation (search report)  
• [XY] DE 202011050143 U1 20120823 - CATERPILLAR GLOBAL MINING EUR [DE]  
• [X] US 2653806 A 19530929 - ROBBINS JAMES S  
• [X] JP S60105717 A 19850611 - KAJIMA CORP, et al  
• [X] WO 2012061855 A2 20120518 - SANDVIK MINING & CONSTR OY [AT], et al  
• [Y] SU 962612 A1 19820930 - KARAGANDIN PK [SU]  
• [A] SU 994720 A1 19830207 - KARAGANDIN NI PK EXI GIPROUGLE [SU]  
• [A] FR 1528493 A 19680607 - EICKHOFF GEB

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)  
**EP 3056660 A1 20160817**; CA 2976342 A1 20160818; CN 107208479 A 20170926; RU 2017130583 A 20190228; RU 2017130583 A3 20190620; RU 2707215 C2 20191125; WO 2016128143 A1 20160818

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**EP 15155049 A 20150213**; CA 2976342 A 20160212; CN 201680006859 A 20160212; EP 2016000250 W 20160212; RU 2017130583 A 20160212