

Title (en)
PERCUSSIVE DRILL BIT WITH RADially EXTENDED FRONT FACE

Title (de)
SCHLAGBOHRER MIT RADIAL ERWEITERTER VORDERSEITE

Title (fr)
TRÉPAN À PERCUSSION AVEC FACE AVANT S'ÉTENDANT RADIALEMENT

Publication
EP 3617438 A1 20200304 (EN)

Application
EP 18191627 A 20180830

Priority
EP 18191627 A 20180830

Abstract (en)
A percussive rock drill bit comprising a head provided at one end of an elongate shank, a plurality of a peripheral gauge support segments supporting a set of gauge buttons. The forward facing front face of the bit head comprises respective extension portions that project radially outward at a perimeter of the front face that overlap radially with an inner part of the gauge buttons.

IPC 8 full level
E21B 10/36 (2006.01); **E21B 10/38** (2006.01); **E21B 10/56** (2006.01)

CPC (source: EP)
E21B 10/36 (2013.01); **E21B 10/38** (2013.01); **E21B 10/56** (2013.01)

Citation (applicant)
• WO 2006033606 A1 20060330 - SANDVIK INTELLECTUAL PROPERTY [SE], et al
• WO 2008066445 A1 20080605 - SANDVIK INTELLECTUAL PROPERTY [SE], et al
• US 2002153174 A1 20021024 - LINDEN JOHAN [SE], et al
• WO 2012174607 A1 20121227 - DRILLING TOOLS AUSTRALIA PTY LTD [AU], et al
• US 2007039761 A1 20070222 - CRUZ ANTONIO MARI G L [NL]

Citation (search report)
• [X] US 6105693 A 20000822 - INGMARSSON KARL [US]
• [X] US 2006060389 A1 20060323 - HADIN PER-OLA [SE], et al
• [A] US 2018066477 A1 20180308 - HEMPH RASMUS [SE], et al
• [A] US 2008087473 A1 20080417 - HALL DAVID R [US], et al
• [A] GB 2516626 A 20150204 - PADLEY & VENABLES LTD [GB]

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

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