

Title (en)
DOWN-THE-HOLE DRILL HAMMER

Title (de)
IMLOCHBOHRHAMMER

Title (fr)
MARTEAU PERFORATEUR POUR FONDS DE TROU

Publication
EP 1438477 A1 20040721 (EN)

Application
EP 02777601 A 20021010

Priority
• IB 0204154 W 20021010
• ZA 200108324 A 20011010

Abstract (en)
[origin: WO03031761A1] A down-the-hole drill hammer comprises a sleeve 46 which defines a cylinder in which a piston is reciprocable. A plurality of axially extending ribs are formed on the outer surface of the sleeve, and conduits are formed in at least one of the ribs for conveying compressed air or another drive fluid to ports in the sleeve, to operate the piston. This arrangement makes it possible to increase the effective diameter of the hammer as a percentage of the bit diameter, which is particularly useful in relatively small drill hammers.
[origin: WO03031761A1] A down-the-hole drill hammer comprises a sleeve (46) which defines a cylinder in which a piston is reciprocable. A plurality of axially extending ribs are formed on the outer surface of the sleeve, and conduits are formed in at least one of the ribs for conveying compressed air or another drive fluid to ports in the sleeve, to operate the piston. This arrangement makes it possible to increase the effective diameter of the hammer as a percentage of the bit diameter, which is particularly useful in relatively small drill hammers.

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CPC (source: EP US)
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Citation (search report)
See references of WO 03031761A1

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