

Title (en)

CUTTING HEAD OF A ROCK-CUTTING MACHINE, ESPECIALLY A SELECTIVE-CUT HEADING MACHINE

Publication

EP 0163068 B1 19880127 (DE)

Application

EP 85104117 A 19850404

Priority

DE 3414198 A 19840414

Abstract (en)

[origin: US4668018A] The rotor of a cutter for removal of ore from mine faces has several external material removing bits which are mounted in holders at the exterior of the rotor, and the holders have sockets for discrete spray nozzles which discharge streams of highly pressurized water against the mine face and/or against the bits. The nozzles receive water from discrete conduits whose discharge ends are threadedly connected with the respective nozzles and whose intake ends are connected to the outlets of manifolds which are installed in the interior of the rotor. The conduits extend from the outlets of the respective manifolds and through holes which are provided therefor in the rotor. The sockets in the holders receive spherical joints which allow for changes in orientation of the nozzles with reference to the adjacent bits.

IPC 1-7

E21D 9/10; **E21C 35/22**

IPC 8 full level

E21C 35/187 (2006.01); **E21C 35/22** (2006.01); **E21C 35/23** (2006.01); **E21D 9/10** (2006.01)

CPC (source: EP US)

E21C 35/187 (2013.01 - EP US); **E21C 35/23** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE FR GB LI

DOCDB simple family (publication)

US 4668018 A 19870526; AT E32249 T1 19880215; DE 3414198 A1 19851024; DE 3561521 D1 19880303; EP 0163068 A1 19851204; EP 0163068 B1 19880127; ES 286011 U 19851101; ES 286011 Y 19860601; ZA 852755 B 19851224

DOCDB simple family (application)

US 72273885 A 19850412; AT 85104117 T 19850404; DE 3414198 A 19840414; DE 3561521 T 19850404; EP 85104117 A 19850404; ES 286011 U 19850412; ZA 852755 A 19850412