

Title (en)

Drill bit for a rotary percussion drilling machine.

Title (de)

Bohrkopf eines Drehschlagbohrers.

Title (fr)

Trépan de machines à percussion rotatives.

Publication

EP 0003815 A1 19790905 (DE)

Application

EP 79100475 A 19790219

Priority

DE 2807197 A 19780220

Abstract (en)

[origin: US4243113A] An exhaust channel in a rock drilling head of a rotary impact drill has an opening which extends over the front face of the drill shaft and over the adjoining peripheral surface of the drill shaft. Clogging of the exhaust channel is prevented by providing clearances between the forward and peripheral surfaces of the drilling head and the bored hole which are too small to permit the passage of rock particles large enough to block the exhaust channel.

Abstract (de)

Der Bohrkopf (2) eines Drehschlagbohrers mit einem sich diametral über seine Stirnfläche erstreckenden Schneidkörper (8) weist zum Absaugen des Bohrmehls von der Bohrstelle einen Absaugkanal (13) auf, dessen Mündungsöffnung (14) sich teilweise über die Stirnfläche (6) und die anschließende Umfangsfläche (3) des Bohrkopfes (2) erstreckt.

IPC 1-7

E21C 13/08

IPC 8 full level

E21B 10/38 (2006.01); **E21B 21/16** (2006.01)

CPC (source: EP US)

E21B 10/38 (2013.01 - EP US); **E21B 21/16** (2013.01 - EP US)

Citation (search report)

- FR 1194544 A 19591110 - ELECTROCHIMIE SOC
- FR 1022567 A 19530306 - SANDVIKENS JERNVERKS AB
- DE 1944551 C
- GB 719848 A 19541208 - SANDVIKENS JERNVERKS AB
- DE 6804690 U 19690403 - MANNESMANN AG [DE]

Designated contracting state (EPC)

BE CH FR GB NL SE

DOCDB simple family (publication)

EP 0003815 A1 19790905; **EP 0003815 B1 19811014**; DE 2807197 A1 19790830; US 4243113 A 19810106

DOCDB simple family (application)

EP 79100475 A 19790219; DE 2807197 A 19780220; US 1257579 A 19790215