

Title (en)  
PERCUSSION BIT FOR ROCK DRILLS

Publication  
**EP 0199040 B1 19910918 (DE)**

Application  
**EP 86103129 A 19860308**

Priority  
DE 3510048 A 19850320

Abstract (en)  
[origin: US4771834A] PCT No. PCT/DE86/00097 Sec. 371 Date Nov. 13, 1986 Sec. 102(e) Date Nov. 13, 1986 PCT Filed Mar. 8, 1986 PCT Pub. No. WO86/05542 PCT Pub. Date Sep. 25, 1986. Percussion drill bit for rock perforators is provided whose frontal face is covered by a plurality of hard-metal studs, whereby a plurality of studs are positioned to form a group, there being several of these groups present and each of the so-called groups being at a distance from one another at least circumferentially and separated through circulation-medium channels, and further provided with at least one axial center channel located roughly in a center of the frontal face and opening into the circulation-medium channels, characterized in that each group consists of only one row of studs (1) arranged on sloped protruding drilling facets (4), in that the drilling facets (4) run against the rotation direction (A) of the drill bit, at an angle with respect to the radius, and in that the circulation-medium channels (2) formed in the frontal face widen starting from the center of the drill bit, radially towards the outside.

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IPC 8 full level  
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IPC 8 main group level  
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**US 4771834 A 19880920**; AT E67557 T1 19911015; AU 5582386 A 19861013; AU 584181 B2 19890518; BR 8607086 A 19880119; DE 3510048 C1 19860410; DE 3681482 D1 19911024; EP 0199040 A1 19861029; EP 0199040 B1 19910918; FI 874076 A0 19870918; FI 874076 A 19870918; JP S62502269 A 19870903; NO 864383 D0 19861103; NO 864383 L 19861103; OA 08663 A 19881130; SU 1560061 A3 19900423; WO 8605542 A1 19860925

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**US 543686 A 19861113**; AT 86103129 T 19860308; AU 5582386 A 19860308; BR 8607086 A 19860308; DE 3510048 A 19850320; DE 3681482 T 19860308; DE 8600097 W 19860308; EP 86103129 A 19860308; FI 874076 A 19870918; JP 50158186 A 19860308; NO 864383 A 19861103; OA 59197 A 19870918; SU 4203368 A 19870918