

Title (en)

ROCK DRILL BIT

Publication

**EP 0347602 B1 19930804 (DE)**

Application

**EP 89109303 A 19890523**

Priority

DE 3820695 A 19880618

Abstract (en)

[origin: US4951761A] A rock drill having a drilling head which, in an asymmetric arrangement relative to the main cutting tip, has at least one additional secondary cutting tip, the angle enclosed between the single cutting edge of the main cutting tip and the secondary cutting tip being formed as an acute angle.

IPC 1-7

**E21B 10/44**; **E21B 10/58**

IPC 8 full level

**E21B 10/44** (2006.01); **E21B 10/58** (2006.01)

CPC (source: EP US)

**E21B 10/445** (2013.01 - EP US); **E21B 10/58** (2013.01 - EP US)

Cited by

AU2009296975B2; EP0778391A3; DE19516270C1; US6032750A; EP0654580A3; DE4407119A1; US5482124A; CN1056900C; US8960336B2; WO2010036498A1; WO9635856A1; WO9607011A1

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

**EP 0347602 A2 19891227**; **EP 0347602 A3 19900606**; **EP 0347602 B1 19930804**; DE 3820695 A1 19891221; DE 3820695 C2 19960725; DE 58905115 D1 19930909; US 4951761 A 19900828

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**EP 89109303 A 19890523**; DE 3820695 A 19880618; DE 58905115 T 19890523; US 35912289 A 19890531