

Title (en)
Drill bit.

Title (de)
Bohrweissel.

Title (fr)
Trépan de forage.

Publication
EP 0487355 B1 19950301 (EN)

Application
EP 91310787 A 19911122

Priority
ZA 909441 A 19901123

Abstract (en)
[origin: EP0487355A1] A rotatable crown for a rotary drill bit comprises a working end (20) which presents a working face (26) for the crown and an opposite end (12) for engagement with a drill rod, stringer or adaptor coupling. The working end (20) comprises a mass of discrete abrasive particles (29) uniformly distributed through a bonding matrix, and a plurality of elongate abrasive elements (30) so arranged in the matrix that ends (30-A) thereof are located in the working face (26). The working face (26) has a serrated profile with alternating peaks (28) and troughs (28A). The ends (30A) of the elongate elements are located in peaks (28). <IMAGE>

IPC 1-7
E21B 10/48

IPC 8 full level
E21B 10/48 (2006.01)

CPC (source: EP)
E21B 10/48 (2013.01); **E21B 10/485** (2013.01)

Cited by
JP2015001112A; WO02066217A1; US9482056B2; EP0703050A1; US8857541B2; US8579053B2; US9447642B2; US8573330B2; US9470043B2

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0487355 A1 19920527; EP 0487355 B1 19950301; AT E119233 T1 19950315; AU 644241 B2 19931202; AU 8807691 A 19920528; CA 2056049 A1 19920524; CA 2056049 C 19980224; DE 69107800 D1 19950406; DE 69107800 T2 19950803

DOCDB simple family (application)
EP 91310787 A 19911122; AT 91310787 T 19911122; AU 8807691 A 19911122; CA 2056049 A 19911122; DE 69107800 T 19911122