

Title (en)
Rock drill

Title (de)
Gesteinsbohrer

Title (fr)
Foret à roche

Publication
EP 0595214 B1 19980114 (DE)

Application
EP 93117125 A 19931022

Priority
DE 4236553 A 19921029

Abstract (en)
[origin: EP0595214A2] A drilling tool and in particular a rock drill for making apertures in concrete or masonry for the use of drilling hammers is proposed which is designed as a cross bit with four cutting lobes. In order to optimise the drilling capacity, the drilling tool is provided with a cross-bit head which merges in one piece into a conveying helix adapted to the drill head. A specific complement of cutting elements serves to optimise the drilling capacity. <IMAGE>

IPC 1-7
E21B 10/44

IPC 8 full level
E21B 10/44 (2006.01); **E21B 10/56** (2006.01); **E21B 17/00** (2006.01)

CPC (source: EP US)
E21B 10/445 (2013.01 - EP US); **E21B 10/56** (2013.01 - EP US); **E21B 17/00** (2013.01 - EP US); **Y10T 408/9065** (2015.01 - EP US); **Y10T 408/909** (2015.01 - EP US)

Citation (examination)
• DE 3614010 A1 19871105 - KRUPP GMBH [DE]
• DE 3919264 A1 19901220 - DUSS MASCHF [DE]

Cited by
EP3581756A1; US11525308B2; WO2019238411A1

Designated contracting state (EPC)
CH DE DK FR GB IT LI SE

DOCDB simple family (publication)
EP 0595214 A2 19940504; **EP 0595214 A3 19950301**; **EP 0595214 B1 19980114**; DE 4236553 A1 19940505; DE 59307989 D1 19980219; US 5403130 A 19950404

DOCDB simple family (application)
EP 93117125 A 19931022; DE 4236553 A 19921029; DE 59307989 T 19931022; US 14314493 A 19931029