

Title (en)
UNDERCUTTING DRILLS

Title (de)
UNTERSCHNEIDBOHRER

Title (fr)
MECHE POUR CONTRE-DEPOUILLE

Publication
EP 0865336 A4 19990310 (EN)

Application
EP 96937933 A 19961120

Priority
• AU 9600738 W 19961120
• AU PN674795 A 19951123

Abstract (en)
[origin: WO9718917A1] A drill for forming an undercut in the base part of a hole drilled into masonry comprises a drive shaft (20) and a cutter assembly (2) coupled to a distal end of the drive shaft. The cutter assembly comprises a support structure (4) and an array of cutters (10) mounted on the support structure for pivotal movement between a retracted position in which the cutter assembly can move along the preformed hole into the base of the hole and a radially-expanded position in which the cutters form a generally conical undercut in the base of the hole upon rotation of the drive shaft with the conical undercut widening in cross section in a direction towards the outer end of the hole.

IPC 1-7
B23B 29/034; B28D 1/14

IPC 8 full level
B23B 51/00 (2006.01)

CPC (source: EP)
B23B 51/0045 (2013.01)

Citation (search report)
• [X] US 1330385 A 19200210 - ROCHUS MUDEN
• See references of WO 9718917A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 9718917 A1 19970529; AU PN674795 A0 19951214; EP 0865336 A1 19980923; EP 0865336 A4 19990310

DOCDB simple family (application)
AU 9600738 W 19961120; AU PN674795 A 19951123; EP 96937933 A 19961120