

Title (en)

METHOD OF SEPARATION OF A PIECE FROM A VOLUME OF MATERIAL BY PROPAGATION OF A SINGLE CRACK

Title (de)

VERFAHREN ZUM ABTRENNEN EINES TEILS EINES BLOCKES DURCH AUSBREITUNG EINER EINZIGEN FRAKTUR

Title (fr)

PROCEDE POUR SEPARER UN MORCEAU D'UN BLOC PAR PROPAGATION D'UNE FISSURE UNIQUE

Publication

EP 0762952 A1 19970319 (FR)

Application

EP 95921854 A 19950530

Priority

- FR 9500695 W 19950530
- FR 9406913 A 19940530

Abstract (en)

[origin: WO9532848A1] To obtain a separation according to a predefined surface, an incipient crack (11) is produced in the volume of material, separating forces being applied to each side of said incipient crack. To guide the crack, the volume of material is subjected to three forces, two forces (32, 33) being applied to either side of the incipient rupture and a third force (31) being applied in the opposite direction in the vicinity of the finishing line (14) of the crack. These forces produce a torque in the material. If the torque is null, the separation surface will be plane, otherwise, it will be curved. Adjustment of the torque determines the curvature of the separation surface.

IPC 1-7

B28D 1/22

IPC 8 full level

B28D 1/22 (2006.01)

CPC (source: EP)

B28D 1/222 (2013.01)

Citation (search report)

See references of WO 9532848A1

Designated contracting state (EPC)

DE ES FR IT

DOCDB simple family (publication)

WO 9532848 A1 19951207; AU 2675595 A 19951221; DE 69509382 D1 19990602; EP 0762952 A1 19970319; EP 0762952 B1 19990428; FR 2720318 A1 19951201; FR 2720318 B1 19960705

DOCDB simple family (application)

FR 9500695 W 19950530; AU 2675595 A 19950530; DE 69509382 T 19950530; EP 95921854 A 19950530; FR 9406913 A 19940530