Title (en)

Method for separating a piece of predetermined shape from a block of material, for example a rock.

Title (de)

Verfahren zum Separieren eines Stücks eines Materialblockes von im voraus bestimmter Form, zum Beispiel eines Steines.

Title (fr)

Procédé pour séparer un morceau de forme déterminée d'avance d'un bloc de matière, par exemple une roche.

Publication

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Application

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Priority

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Abstract (en)

The invention relates to a method for separating a piece of predetermined shape, for example a relatively thin plate, from a block, in particular of rock, without removing material. Starting from a cleft (3), a fissure is propagated, for example with the aid of fluid pressure, which separates the lips of the fissure. To guide the fissure, on the one hand a compensation force (C) is exerted on the part of the block which it is desired to transform into pieces, in the zone from which the fissure develops, and on the other hand zones of less resistance are created at certain points of the surface of desired separation, over all or part of the circumference of the piece at least, possibly even on the inside of the block. It is thus possible to obtain, for example, split plates of granite thirty to fifty centimetres high and three centimetres thick, or even split pieces in the shape of a U or L. <IMAGE>

IPC 1-7

B28D 1/22; B28D 7/04

IPC 8 full level

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