

Title (en)

Diamond type cutting blade for defective stone materials

Title (de)

Diamantiertes Schneidblatt zum Schneiden von defekten Steinmaterialien

Title (fr)

Lame de coupe diamantée pour couper des matériaux pierreux défectueux

Publication

EP 0839620 A1 19980506 (EN)

Application

EP 97119360 A 19971105

Priority

IT MI960734 U 19961107

Abstract (en)

Diamond type cutting blade (3) for marble and stone blocks (B) - particularly defective ones, incorporating clefts (1) and inner or dead cavities (2, 4) - of the type carrying, fixed on its cutting edge (3') and suitably spaced, a plurality of diamond segments (7) meant to perform the cutting. According to the invention, the space between said diamond segments, along the blade cutting edge and at least next to the inner corners of such segments, is filled with material apt to wear more easily than the diamond segments. In a preferred embodiment, said material is in the form of inserts (8) consisting of bronze or brass parallelepiped elements fixed projecting from the blade cutting edge (3') so as to substantially fill the entire space between the diamond segments (7), the lower edge of said inserts being aligned with the lower edge of said segments to form a rectilinear cutting edge. In another embodiment, said inserts (8) are shaped as a triangle, to fill merely the space in correspondence of the inner corners of the diamond segments (7), the lower edge of said inserts being beveled in respect of the lower edge of the diamond segments to form a continuous undulated cutting edge. <IMAGE>

IPC 1-7

B28D 1/12

IPC 8 full level

B28D 1/12 (2006.01)

CPC (source: EP)

B28D 1/127 (2013.01)

Citation (search report)

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