

Title (en)

Device for scoring and fracturing ceramic tiles.

Title (de)

Vorrichtung zum Einkerbten und Brechen von keramischen Fliesen.

Title (fr)

Dispositif pour cocher et rompre des carreaux céramiques.

Publication

EP 0299501 A1 19890118 (EN)

Application

EP 88111376 A 19880715

Priority

IT 8364287 A 19870715

Abstract (en)

The ceramic tile cutter is of the kind comprising at least a bridge guide, provided with device for weakly and heavily fastening the piece of tile to score and fracturing it, respectively, wherein the bridge guide (2) has fixed position at one end and is self adjusted at the other end. Such self adjusting is provided by a suitably shaped cam (40') engaging such bridge guide (2) with its operative contour, which is in the form of an exponential spiral defined by the following formula: $b = \text{minimum resistance arm (to be established experimentally)}$; $B_n = \text{maximum weight arm (to be established experimentally)}$; $n = \text{number of (arbitrary) cam segments or alpha angle sections}$; $\alpha = \text{angle of amenability (to be established experimentally)}$; b ; B_1 ; B_2 ; B_3 ;..... $B_n = \text{Arms of weight}$; r ; R_1 ; R_2 ; R_3 ;..... $R_n = \text{Points of weight}$.

IPC 1-7

B28D 1/22

IPC 8 full level

B28D 1/22 (2006.01)

CPC (source: EP)

B28D 1/225 (2013.01)

Citation (search report)

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- [Y] US 1297539 A 19190318 - BULL ADRIAN P [US]
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Designated contracting state (EPC)

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DOCDB simple family (publication)

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