

Title (en)

METHOD AND APPARATUS FOR SAWING STONES AND MARBLE

Publication

EP 0028418 B1 19840307 (FR)

Application

EP 80106772 A 19801104

Priority

FR 7927255 A 19791105

Abstract (en)

[origin: EP0028418A1] 1. A method for sawing stone or similar material using a chain saw comprising cutting inserts (5a-5f) of tungsten carbide each fixed by mechanical clamping (6a-6f, 7) in a housing or receptacle with a corresponding cross-section so enabling the insert to be rotated, after being unclamped, through a suitable angle for evening out the wear, characterized in that the chain comprises successive sequences of links each formed by a large number of links (1a, 2, 1b, 2 ... 1f, 2), with the geometrical axes (8a-8f) of these inserts, and therefore of their respective housing, being so positioned as to meet the axis of the chain (9) at a constant distance from the corresponding insert, with each of these axes being angularly offset with respect to the axis of the preceding link by a constant amount round the chain axis, the cutting face or the inserts being coated with synthetic diamond reconstituted in situ by a known method and the inserts being positioned to have a negative cutting angle of 3 to 6 degrees, these inserts having a cylindrical shape of revolution or a polygonal prismatic shape with multiple symmetry.

IPC 1-7

B28D 1/12

IPC 8 full level

B28D 1/08 (2006.01); **B28D 1/12** (2006.01)

CPC (source: EP)

B28D 1/125 (2013.01)

Cited by

EP2324976A1; WO2012032009A1; US5556831A; EP0320456A3; ITBS20120099A1; EP0625416A1; BE1019003A3; EP1155796A1; EP0571344A1; US4827821A; DE3304275A1; BE1019468A3; EP3858566A1; IT202000001606A1

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