

Title (en)

Saw wire, including diamond cutting elements for cutting stony materials

Title (de)

Sägeseil mit Schneidelementen aus Diamant zum Schneiden von steinartigem Material

Title (fr)

Scie à fil avec éléments de coupe diamantés pour couper des matériaux pierreux

Publication

EP 1731249 A1 20061213 (EN)

Application

EP 06006676 A 20060330

Priority

IT MI20050942 A 20050523

Abstract (en)

The present invention relates to a diamond wire (2), including improved coupling means for coupling to said wire diamond pellets (3), for cutting stony materials, which comprises a steel cable supporting a plurality of diamond tools. The main feature of the invention is that it further comprises restraining means (5) suitable to restrain at a target position each individual diamond tool.

IPC 8 full level

B23D 61/18 (2006.01)

CPC (source: EP)

B28D 1/124 (2013.01)

Citation (search report)

- [X] DE 3041830 A1 19820609 - GEBHART SIEGFRIED, et al
- [X] US 4097246 A 19780627 - OLSON NORMAN R
- [X] DE 6903662 U 19691218 - PHILIPP PERSCH NACHF INH FRITZ [DE]
- [X] EP 0822023 A1 19980204 - EUROLIGNA MASCH AGGREGATE [LI]

Cited by

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