

Title (en)

Jet tool and tool holding head for surface working of slabs and blocks of stone, cementitious or the like materials

Title (de)

Strahlwerkzeug und Werkzeughaltekopf für die Bearbeitung von Platten und Blöcken aus Stein, Zement oder derartigen Materialien

Title (fr)

Outil de jet et outil de maintien pour une tête de travail pour le travail de plaques et des blocs de pierre et de béton ou des matériaux analogues

Publication

EP 1977867 A1 20081008 (EN)

Application

EP 08005001 A 20080318

Priority

IT VI20070079 A 20070319

Abstract (en)

A high pressure fluid jet tool for surface working of slabs or blocks of stone, marble or the like, comprises a support plate (2) with a plurality of nozzles (3) mounted thereto for connection to a high pressure fluid line (4), means for removably anchoring the plate (2) to a spindle (6) that rotates about an axis of rotation (X) substantially perpendicular to the surface to be worked (S). The plurality of nozzles (3) includes at least two separate arrays of nozzles (7, 7') arranged over the plate (2) along respective mutually offset curved lines (8, 8'), so that, as the plate (2) is rotated, the fluid jets (J) interact with the surface to be worked (S) in apparently random paths. A tool holding head is provided for surface working of slabs and blocks of stone, marble, granite, stone and/or cementitious agglomerates.

IPC 8 full level

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CPC (source: EP)

B26F 3/004 (2013.01); **B28D 1/00** (2013.01)

Citation (applicant)

- US 5291694 A 19940308 - HOSOYA FUKUTOSHI [JP], et al
- US 2006049285 A1 20060309 - SAKAI MIEKO [JP], et al

Citation (search report)

- [X] US 2006049285 A1 20060309 - SAKAI MIEKO [JP], et al
- [XA] JP H02145299 A 19900604 - SUGANO TOSHIO
- [XA] WO 9311908 A1 19930624 - DIAT CHRISTIAN [FR]

Cited by

EP2695713A1; EP2695712A1; CN115026727A; EP3479980A1; BE1024868B1; ITVI20120207A1; ITVI20120208A1; EP2105275A3

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