

Title (en)

Method for water jet surface treatment of stony material elements

Title (de)

Verfahren zur Oberflächenbehandlung mit Wasserstrahl von Elementen aus steinigem Material

Title (fr)

Méthode pour le traitement de surface au jet d'eau d'éléments en matériaux pierreux

Publication

**EP 2695713 A1 20140212 (EN)**

Application

**EP 13003656 A 20130722**

Priority

IT VI20120208 A 20120809

Abstract (en)

A method for surface working of items made of stone materials or the like, using abrasive-free liquid jets, comprises the steps of (a) providing a moving or stationary support base (2) for the items (P), (b) providing a plurality of nozzles (4, 4', 4'', ...) for generating jets (J) oriented toward the items (P), (c) feeding the nozzles (4, 4', 4'', ...) with a high-pressure liquid adapted to create cuts on the items (P) being worked, (d) forwardly moving the items (P) relative to the nozzles (4, 4', 4'', ...) in a longitudinal direction (X), (e) staggering the relative positions of the nozzles (4, 4', 4'', ...) in a transverse direction (Y) with a predetermined pitch (p), for continuous adjustment of the projection of their pitch (p) on a vertical plane (A) substantially parallel to the transverse direction (Y), to change the transverse distance (d) between the longitudinal cuts made by the jets (J). A plant for liquid-jet surface working of items made of stone materials.

IPC 8 full level

**B28D 1/00** (2006.01); **B24C 1/04** (2006.01); **B24C 3/12** (2006.01)

CPC (source: EP)

**B28D 1/00** (2013.01)

Citation (applicant)

- US 5291694 A 19940308 - HOSOYA FUKUTOSHI [JP], et al
- EP 1045742 A1 20001025 - APUANIA CORSI S R L [IT]
- EP 1977867 A1 20081008 - MAEMA S R L [IT]
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Citation (search report)

- [AD] EP 0517048 A1 19921209 - JSE CORP [JP]
- [AD] WO 9932262 A1 19990701 - APUANIA CORSI S R L [IT], et al
- [A] EP 1977867 A1 20081008 - MAEMA S R L [IT]
- [A] EP 2478968 A1 20120725 - MAEMA S R L [IT]

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BA ME

DOCDB simple family (publication)

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