

Title (en)

Apparatus for smoothing a product, in particular a semi-finished ceramic product

Title (de)

Vorrichtung zur Glättung eines Produkts, im Besonderen eines halbfertigen Keramikprodukts

Title (fr)

Appareil pour lisser un produit, en particulier un produit en céramique semi-fini

Publication

EP 2002929 A1 20081217 (EN)

Application

EP 08153705 A 20080331

Priority

IT BO20070411 A 20070612

Abstract (en)

An apparatus (1) for smoothing a product (2), in particular a semi-finished ceramic product, comprises: an abrasive tool (3) in the form of an endless belt (4) which is trained around at least one pair of pulleys (5, 6), at least one of which is power-driven; the belt (4) has an active section (7) and at least one passive section (8); the active section (7) removes material from the product (2), while the passive section (8) receives a regenerating treatment that restores the abrasive capacity of the tool (3); drive means (20) acting on the belt (4) in such a way as to enable the belt (4) itself to move in the space surrounding the product (2); means (10) for spraying a liquid on the belt (4), which has liquid absorption properties, said means (10) being located in the vicinity of the belt (4) itself; and negative pressure means (9) associated with the passive section (8) of the belt (4) and operating in such a way as to extract the liquid and the materials retained by the belt (4) and removed from the product (2) during the smoothing process.

IPC 8 full level

B28B 11/08 (2006.01)

CPC (source: EP US)

B24B 19/008 (2013.01 - EP US); **B24B 21/16** (2013.01 - EP US); **B24B 55/08** (2013.01 - EP US); **B28B 11/0845** (2013.01 - EP US)

Citation (applicant)

- US 2336004 A 19431207 - FOWLER BERT F
- EP 0640450 A1 19950301 - INAX CORP [JP]

Citation (search report)

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- [A] DE 29716543 U1 19971030 - ERNST MASCHF GMBH PAUL [DE]
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- [A] JP H01188268 A 19890727 - TAKEGAWA TEKKO KK
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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