

Title (en)
Apparatus for production of brushes or brooms

Title (de)
Vorrichtung zur Herstellung von Bürsten oder Besen

Title (fr)
Appareil pour la production de brosses ou balais

Publication
EP 2656748 A1 20131030 (EN)

Application
EP 12165630 A 20120426

Priority
EP 12165630 A 20120426

Abstract (en)
An apparatus (1; 1a; 1b) for production of brushes or brooms comprises a punch (10) for inserting clumps of bristles (9) into a body (7; 19; 20) of a brush or broom supported by a supporting element (5; 17), it further comprises a base (2) and movement means (M1; M2; 3; 4) for moving said supporting element (5; 17) in two directions (X; Y) that are perpendicular to one another, said movement means (M1; M2; 3; 4) comprises a first arm (3) connected to said base (2) and rotated around a first axis (A) that is perpendicular to a plane defined by said two directions (X; Y) and a second arm (4) connected to said arm (3) and rotated around a second axis (B) parallel to said first axis (A).

IPC 8 full level
A46D 3/08 (2006.01)

CPC (source: EP)
A46D 3/087 (2013.01)

Citation (search report)

- [XY] DE 10209119 A1 20030911 - ZAHORANSKY ANTON GMBH & CO [DE]
- [X] DE 2826357 A1 19800103 - ZAHORANSKY ANTON FA
- [Y] EP 2361723 A2 20110831 - MAG EUROP GMBH [DE]
- [A] DE 10245899 A1 20040408 - DAT AUTOMATISIERUNGSTECHNIK GM [DE]
- [A] US 5222198 A 19930622 - YAMAMOTO MINORU [JP], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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