

Title (en)
Method of brush manufacture

Title (de)
Verfahren zur Herstellung von Bürsten

Title (fr)
Procédé pour la fabrication de brosses

Publication
EP 1142505 A3 20030611 (DE)

Application
EP 01107718 A 20010330

Priority
DE 20006311 U 20000406

Abstract (en)
[origin: US2001050507A1] A method of producing brushes by connecting platelets of a plastics material, having each tufts of brush bristles attached thereto and projecting from a first face, to an attachment surface portion of a brush body made of plastics, in particular the same plastics, by means of ultrasonic welding or glueing. Each of the platelets has a peripheral rim facing the brush body and having an edge formed thereon which acts as an energy concentrator in ultrasonic welding.

IPC 1-7
A46D 3/04; **A46B 3/04**

IPC 8 full level
A46D 3/04 (2006.01)

CPC (source: EP US)
A46D 3/04 (2013.01 - EP US)

Citation (search report)

- [X] DE 2850594 A1 19800604 - BICKEL WOLFGANG
- [X] DE 3712962 A1 19881103 - SCHLERF CORONET WERKE [DE]
- [X] US 5033797 A 19910723 - RUEB FRITZ [DE]
- [A] BE 1009925 A6 19971104 - LLAMAS BRAVO HIPOLITO [BE]
- [A] US 5217279 A 19930608 - NEWELL ROBERT L [US]

Cited by
EP3753448A1; WO2020257819A1; EP2135526A1; DE102008029499A1; EP3753446A1; WO2020257817A1; EP3753445A1; EP3753447A1; EP3753449A1; WO2020257818A1; WO2020257816A1; WO2020257820A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
US 2001050507 A1 20011213; **US 6779851 B2 20040824**; AT E347290 T1 20061215; DE 20006311 U1 20010809; DE 50111577 D1 20070118; EP 1142505 A2 20011010; EP 1142505 A3 20030611; EP 1142505 B1 20061206; ES 2275577 T3 20070616

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US 82286501 A 20010402; AT 01107718 T 20010330; DE 20006311 U 20000406; DE 50111577 T 20010330; EP 01107718 A 20010330; ES 01107718 T 20010330