

Title (en)
Cleaning brush

Title (de)
Reinigungsbürste

Title (fr)
Brosse de nettoyage

Publication
EP 1504709 A1 20050209 (EN)

Application
EP 04254674 A 20040804

Priority
CN 03105629 A 20030805

Abstract (en)
A brush for cleaning purposes comprising a brush head from which a plurality of bristles arranged in clumps depend from an underside thereof, the clumps of bristles being disposed in at least two groups, a first group in which the clumps of bristles exhibit a variation in orientation from a direction which is substantially perpendicular to the surface to be cleaned in normal use of the brush to being inclined in a first direction relative to the perpendicular direction, and a second group in which the clumps of bristles exhibit a variation in orientation from substantially perpendicular to being inclined to the perpendicular in a direction opposite to said first direction. <IMAGE>

IPC 1-7
A47K 11/10; **A47L 17/04**; **A46B 15/00**

IPC 8 full level
A46B 15/00 (2006.01); **A47K 11/10** (2006.01); **A47L 17/04** (2006.01); **A46B 9/02** (2006.01)

CPC (source: EP)
A47L 17/04 (2013.01); **A46B 9/02** (2013.01)

Citation (search report)

- [XY] WO 03003874 A1 20030116 - COLGATE PALMOLIVE CO [US], et al
- [Y] GB 2224231 A 19900502 - SHARP KENNETH WILLIAM
- [Y] CH 253922 A 19480415 - ZEHNDER GEORG [CH]
- [Y] GB 787587 A 19571211 - DAVID SILAS ISTANCE
- [X] WO 0057747 A1 20001005 - GILLETTE CANADA [CA], et al

Cited by
CN110946489A; CN103431825A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

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