

Title (en)
Cleaning implement

Title (de)
Reinigungsgerät

Title (fr)
Ustensile de nettoyage

Publication
EP 1116447 A3 20021106 (EN)

Application
EP 01300283 A 20010115

Priority
GB 0001009 A 20000117

Abstract (en)
[origin: EP1116447A2] A one-piece toothbrush or other cleaning implement formed of plastics material by injection moulding comprises an elongate handle 10, a head 11 at one end of the handle and a group of at least thirty resiliently flexible bristles 12 of a small diameter extending from the head generally axially of the handle, the bristles 12 in the group being laterally spaced apart from each other. The cleaning implement is a one-piece member of injection moulded plastics material and as such is cheap to manufacture from waste plastics. <IMAGE>

IPC 1-7
A41B 1/00

IPC 8 full level
A46B 1/00 (2006.01); **A46B 15/00** (2006.01)

CPC (source: EP US)
A46B 1/00 (2013.01 - EP US); **A46B 15/0071** (2013.01 - EP US)

Citation (search report)

- [XY] GB 2159699 A 19851211 - COLE RODNEY DAVID
- [Y] GB 2297489 A 19960807 - HINDMARCH MICHAEL WILLIAM [GB]
- [X] US 4712936 A 19871215 - KESSLER MILTON [US]
- [A] US 5758384 A 19980602 - KELLY JAMES [US]
- [A] EP 0903115 A2 19990324 - CENTRIX INC [US]
- [A] US 5915436 A 19990629 - JOHNSON DAVID E [US], et al

Cited by
EP2535033A1

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)
EP 1116447 A2 20010718; EP 1116447 A3 20021106; GB 0001009 D0 20000308; GB 2358130 A 20010718; US 2001008032 A1 20010719

DOCDB simple family (application)
EP 01300283 A 20010115; GB 0001009 A 20000117; US 76086901 A 20010116