

Title (en)
Personal hygiene apparatus for washing and massaging a person's back

Title (de)
Körperhygienevorrichtung zum Waschen und Massieren des Rückens einer Person

Title (fr)
Appareil d'hygiène personnelle pour laver et masser le dos d'une personne

Publication
EP 2647323 A3 20140122 (EN)

Application
EP 13162386 A 20130404

Priority
IT MI20120140 U 20120405

Abstract (en)
[origin: EP2647323A2] A personal hygiene apparatus for washing and massaging a person's back comprises a plurality of cleaning elements, associated with a supporting framework and driven by driving means causing the cleaning elements to be reciprocatedly driven along the person's back or other body portion adjoining the cleaning elements. Said cleaning elements comprise bristled or foamed cleaning rollers, mounted on respective mounting axles. Said driving means comprise a worm screw therealong two screw nuts slide in opposite directions, each screw nut being associated with a free end portion of the axle thereby vertically reciprocatedly driving the cleaning elements.

IPC 8 full level
A47K 7/04 (2006.01)

CPC (source: EP)
A47K 7/04 (2013.01); **A47K 7/046** (2013.01)

Citation (search report)

- [XAI] GB 2020969 A 19791128 - SANTARPIA D G, et al
- [X] US 1965774 A 19340710 - JAYNES ISAC M
- [A] FR 2884139 A1 20061013 - GUERY DANIEL [FR], et al
- [I] DE 4306242 A1 19940901 - STAHL KARL MARTIN DIPL ING [DE]
- [I] FR 2347001 A1 19771104 - POUJOULAT MICHEL [FR]

Cited by
CN107536543A; CN109044157A; ITUA20163441A1; ITPI20130099A1; CN110301846A; US11399670B1; WO2018021899A1

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

DOCDB simple family (publication)
EP 2647323 A2 20131009; EP 2647323 A3 20140122; IT MI20120140 U1 20131006

DOCDB simple family (application)
EP 13162386 A 20130404; IT MI20120140 U 20120405