

Title (en)

Automatic hair washing machine

Title (de)

Automatische Haarwaschmaschine

Title (fr)

Machine pour le lavage automatique des cheveux

Publication

EP 2371235 A1 20111005 (EN)

Application

EP 11159731 A 20110325

Priority

- JP 2010083680 A 20100331
- JP 2010083678 A 20100331
- JP 2010083679 A 20100331
- JP 2010165777 A 20100723

Abstract (en)

An automatic hair washing machine including a sink in which a head portion of a user is laid, the sink having an enclosed space that is formed when the head portion is laid in the sink, a nozzle link unit for jetting liquid containing at least one of washing water and cleaning agent liquid, and a mist spraying unit for spraying mist into the enclosed space.

IPC 8 full level

A45D 19/06 (2006.01); **A45D 19/16** (2006.01)

CPC (source: EP KR US)

A45D 19/06 (2013.01 - EP US); **A45D 19/10** (2013.01 - KR); **A45D 19/14** (2013.01 - KR); **A45D 19/16** (2013.01 - EP US); **A45D 19/18** (2013.01 - KR); **B05B 17/06** (2013.01 - KR)

Citation (applicant)

JP H07236511 A 19950912 - SANYO ELECTRIC CO, et al

Citation (search report)

- [XYI] WO 9405179 A1 19940317 - TOTO LTD [JP], et al
- [Y] EP 0856266 A1 19980805 - SANYO ELECTRIC CO [JP]
- [A] WO 2005029998 A1 20050407 - HYDROCO AUSTRALIA PTY LTD [AU], et al

Cited by

CN108852691A; EP3488728A1; CN103536414A; US10542809B2

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 2371235 A1 20111005; CN 102210511 A 20111012; CN 102210511 B 20150311; KR 20110110045 A 20111006; TW 201143670 A 20111216; US 2011239363 A1 20111006

DOCDB simple family (application)

EP 11159731 A 20110325; CN 201110079334 A 20110331; KR 20110029423 A 20110331; TW 100110524 A 20110328; US 201113072093 A 20110325