

Title (en)

Cleaning device for flat surfaces, such as floors, fitted carpets and the like

Title (de)

Reinigungsvorrichtung für flache Oberflächen, wie Fußböden, Teppiche und dergleichen

Title (fr)

Dispositif de nettoyage pour surfaces plates, telles que planchers, tapis et similaires

Publication

**EP 1654974 A1 20060510 (EN)**

Application

**EP 05077313 A 20051011**

Priority

IT RE20040136 A 20041109

Abstract (en)

A cleaning device (1) for flat surfaces comprising: a casing (2) comprising a base (4) and a cover (5), said base (4) being provided with a first opening (6) and with a second opening (7) communicating with an aspirator (11) arranged in said casing (2); a roller (9) with bristles (10) arranged in said casing (2) and facing said first opening (6); a dispenser group (14) facing said second opening (7) and communicating with a steam generator (17) at atmospheric pressure; a cleaning cloth (21) permeable to the air and to the liquids covering said second opening (7); characterised in that said dispenser group (14) dispenses steam onto a portion of cloth (21), the remaining portion of the cloth (21) that covers said second opening (7) being subjected to suction through said aspirator (11) communicating with said second opening (7).

IPC 8 full level

**A47L 5/30** (2006.01); **A47L 7/00** (2006.01); **A47L 11/34** (2006.01)

CPC (source: EP)

**A47L 5/30** (2013.01); **A47L 7/0009** (2013.01); **A47L 7/0038** (2013.01); **A47L 11/34** (2013.01); **A47L 11/4036** (2013.01)

Citation (search report)

- [A] US 4369544 A 19830125 - PARISI SEBASTIANO [IT]
- [AP] WO 2005011461 A1 20050210 - HAHN GYUNG-HEE [KR]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 06 30 April 1998 (1998-04-30)

Cited by

GB2522392A; EP2052658A3; EP2109389A4; EP4059398A1; EP2343003A1; CN102711576A; EP3763274A4; US11344173B2; US9186032B2; EP2052658A2; WO2011083373A1; WO2014085444A1; US10448800B2; US11297995B2; WO2022194717A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**EP 1654974 A1 20060510**; IT RE20040136 A1 20050209

DOCDB simple family (application)

**EP 05077313 A 20051011**; IT RE20040136 A 20041109