

Title (en)
ELECTRIC CLEANER

Title (de)
ELEKTRISCHE REINIGUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE NETTOYAGE ÉLECTRIQUE

Publication
EP 2305089 A4 20160120 (EN)

Application
EP 09773252 A 20090528

Priority
• JP 2009059755 W 20090528
• JP 2008171640 A 20080630

Abstract (en)
[origin: EP2305089A1] Traveling wheels 51 are provided rotatably at positions on both sides of a main body case 25 below the center of gravity of a cleaner main body 13. A rear wheel 52 which can advance to and withdraw from a floor surface F side is provided posterior to rotary shafts 57 of the traveling wheels 51 of the main body case 25. The rear wheel 52 is energized in a direction of advancing to the floor surface F so as to become contactable with the floor surface F in an advanced state. The rear wheel 52 comes into contact with the floor surface F at a proper contact pressure, so that without deteriorating the turnability of the cleaner main body 13, straight traveling performance can be made higher than in the case where the cleaner main body travels only by the traveling wheels 51.

IPC 8 full level
A47L 9/00 (2006.01)

CPC (source: EP)
A47L 9/009 (2013.01)

Citation (search report)
• [A] JP 2007130129 A 20070531 - SANYO ELECTRIC CO
• [A] JP H0630859 A 19940208 - SANYO ELECTRIC CO
• [A] JP H0426407 A 19920129 - SANYO ELECTRIC CO
• [A] US 2004045121 A1 20040311 - KIM SUNG-GUEN [KR]
• [A] JP H0856873 A 19960305 - MITSUBISHI ELECTRIC HOME APPL, et al
• [A] JP H07236599 A 19950912 - MATSUSHITA ELECTRIC IND CO LTD
• See references of WO 2010001674A1

Designated contracting state (EPC)
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 SE SI SK TR

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