

Title (en)

SUCTION TOOL FOR ELECTRIC CLEANER AND ELECTRIC CLEANER USING SAME

Title (de)

SAUGWERKZEUG FÜR ELEKTRISCHEN REINIGER UND ELEKTRISCHER REINIGER DAMIT

Title (fr)

OUTIL D'ASPIRATION POUR ASPIRATEUR ÉLECTRIQUE ET ASPIRATEUR ÉLECTRIQUE UTILISANT CET OUTIL

Publication

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Application

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Priority

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- JP 2011001371 W 20110309

Abstract (en)

[origin: US2012297570A1] A suction tool for an electric cleaner of the present invention includes suction tool main body with suction inlet, rotary brush rotatably provided inside suction tool main body, brush body provided protruding from an outer periphery of rotary brush, and friction body rotatably provided to come into contact with brush body. This improves durability of brush body, and enables stable supply of negative ions to a cleaning surface.

IPC 8 full level

A47L 9/04 (2006.01)

CPC (source: EP US)

A46B 13/001 (2013.01 - EP US); **A46B 15/0024** (2013.01 - EP US); **A47L 9/0477** (2013.01 - EP US); **A47L 9/0488** (2013.01 - EP US)

Citation (search report)

- [XY] JP H11216089 A 19990810 - HITACHI LTD
- [XY] JP 2008104627 A 20080508 - MATSUSHITA ELECTRIC IND CO LTD
- [Y] JP 2005224415 A 20050825 - MATSUSHITA ELECTRIC IND CO LTD
- [Y] JP 2006158753 A 20060622 - MATSUSHITA ELECTRIC IND CO LTD
- [Y] JP 2009136603 A 20090625 - PANASONIC CORP
- See references of WO 2011111379A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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