

Title (en)
IMPROVED VACUUM HEAD ATTACHMENT AND VACUUM CLEANER

Title (de)
VERBESSERTES AUFSATZTEIL FÜR STAUBSAUGER UND STAUBSAUGER

Title (fr)
FIXATION DE TÊTE D'ASPIRATION AMÉLIORÉE ET ASPIRATEUR

Publication
EP 3393323 B1 20210721 (EN)

Application
EP 16876989 A 20161222

Priority
• AU 2015905328 A 20151222
• AU 2016000405 W 20161222

Abstract (en)
[origin: WO2017106900A1] A vacuum head (2) including a first brush means (42) and a second brush means (44) each located adjacent an underneath side (6) of the vacuum head (2), motor means (38, 40) for actuating the first brush means (42) to rotate in a first axial direction and for actuating the second brush means (44) in a second axial direction, the second axial direction opposite to the first axial direction, such that, in use, as the vacuum head (2) moves across a surface the first brush means (42) and the second brush means (44) rotate to position debris from the surface towards the centre of the vacuum head (2) prior to assist in the suction of the debris.

IPC 8 full level
A47L 5/30 (2006.01); **A47L 9/04** (2006.01)

CPC (source: EP US)
A47L 5/26 (2013.01 - US); **A47L 9/009** (2013.01 - EP); **A47L 9/0411** (2013.01 - EP US); **A47L 9/0477** (2013.01 - EP US);
A47L 9/0488 (2013.01 - US); **A47L 9/242** (2013.01 - EP US)

Citation (opposition)
Opponent : Dyson Technology Limited
• JP H0947403 A 19970218 - TEC CORP
• US 7150068 B1 20061219 - RAGNER GARY DEAN [US]
• WO 2014020306 A2 20140206 - DYSON TECHNOLOGY LTD [GB]
• JP H10328090 A 19981215 - HITACHI LTD
• JP S6287119 A 19870421 - MATSUSHITA ELECTRIC WORKS LTD
• US 2005011028 A1 20050120 - CHOW HUNG [HK]

Designated contracting state (EPC)
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DOCDB simple family (publication)
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EP 3393323 A4 20190814; EP 3393323 B1 20210721; NZ 743595 A 20230331; US 2021290012 A1 20210923

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