

Title (en)  
AUTONOMOUS CLEANER, AUXILIARY BRUSH THEREFOR, AND CLEANER SYSTEM EQUIPPED WITH AUTONOMOUS CLEANER

Title (de)  
AUTONOMER REINIGER, HILFSBÜRSTE DAFÜR UND REINIGUNGSSYSTEM MIT EINEM AUTONOMEN REINIGER

Title (fr)  
DISPOSITIF DE NETTOYAGE AUTONOME, BROSSE AUXILIAIRE POUR CE DERNIER, ET SYSTÈME DE NETTOYAGE COMPRENANT UN DISPOSITIF DE NETTOYAGE AUTONOME

Publication  
**EP 3412190 B1 20211208 (EN)**

Application  
**EP 16889196 A 20161013**

Priority  
• JP 2016020848 A 20160205  
• JP 2016047749 A 20160311  
• JP 2016004565 W 20161013

Abstract (en)  
[origin: EP3412190A1] Autonomous cleaner (10) includes body (20) and auxiliary brush (100). Auxiliary brush (100) is attached to body (20) so as to be capable of collecting dust to suction port (20B) provided in bottom surface (20A) of body (20) and includes short bristle bundle (141) and long bristle bundle (142). Short bristle bundle (141) is a bundle of short bristles. Long bristle bundle (142) is a bundle of bristles longer than short bristle bundle (141). This makes it possible to provide autonomous cleaner (10) and auxiliary brush (100) therefor that can efficiently collect dust.

IPC 8 full level  
**A47L 9/28** (2006.01); **A46B 1/00** (2006.01); **A46B 13/00** (2006.01); **A47L 9/04** (2006.01); **A47L 9/10** (2006.01); **A47L 9/14** (2006.01)

CPC (source: EP)  
**A46B 13/008** (2013.01); **A47L 9/009** (2013.01); **A47L 9/0472** (2013.01); **A47L 9/0477** (2013.01); **A47L 9/106** (2013.01); **A47L 9/1409** (2013.01); **A47L 9/2805** (2013.01); **A47L 9/281** (2013.01); **A47L 9/2852** (2013.01); **A47L 2201/04** (2013.01); **A47L 2201/06** (2013.01)

Cited by  
CN116857596A; WO2022262987A1

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

DOCDB simple family (publication)  
**EP 3412190 A1 20181212**; **EP 3412190 A4 20190619**; **EP 3412190 B1 20211208**; CN 108601497 A 20180928; HK 1253903 A1 20190705; JP 2017140350 A 20170817; JP 2019037857 A 20190314; JP 2019162542 A 20190926; JP 2019188213 A 20191031; JP 7012238 B2 20220128; SG 11201803514X A 20180530

DOCDB simple family (application)  
**EP 16889196 A 20161013**; CN 201680080393 A 20161013; HK 18113051 A 20181012; JP 2016047749 A 20160311; JP 2018232120 A 20181212; JP 2019125041 A 20190704; JP 2019125042 A 20190704; SG 11201803514X A 20161013