

Title (en)  
FILTER CLEANING UNIT AND CONDITIONER

Title (de)  
FILTERREINIGUNGSEINHEIT UND KLIMAANLAGE

Title (fr)  
UNITÉ DE NETTOYAGE DE FILTRE ET CLIMATISEUR

Publication  
**EP 3587940 A1 20200101 (EN)**

Application  
**EP 19182178 A 20190625**

Priority  
JP 2018122248 A 20180627

Abstract (en)  
A filter cleaning unit includes a brush fastening part that stores a brush placed along one direction of a filter, a drive mechanism that moves the brush fastening part in a direction perpendicular to the one direction and along a surface of the filter, and a collection box unit (38) that is located on one surface side of a grille and is moved together with the brush fastening part by the drive mechanism, wherein the collection box unit (38) has a collection box (39) in which dust and dirt removed by the brush are collected, a support part (40) connected to the grille and placed above the collection box (39), and a lock part (57) capable of fastening the collection box (39) to the support part (40).

IPC 8 full level  
**F24F 1/0047** (2019.01); **F24F 1/0073** (2019.01); **F24F 13/28** (2006.01)

CPC (source: EP)  
**F24F 1/0047** (2019.01); **F24F 1/0073** (2019.01); **F24F 8/90** (2021.01); **F24F 13/28** (2013.01); **F24F 2221/22** (2013.01)

Citation (applicant)  
JP 2016008754 A 20160118 - HITACHI APPLIANCES INC

Citation (search report)  
• [XA] JP 2011017480 A 20110127 - MITSUBISHI HEAVY IND LTD  
• [XA] JP 2010078267 A 20100408 - SANYO ELECTRIC CO  
• [A] JP 5530735 B2 20140625  
• [A] EP 2574858 A2 20130403 - MITSUBISHI HEAVY IND LTD [JP]

Cited by  
CN114642928A; CN114405182A; CN111780257A

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3587940 A1 20200101**; JP 2020000989 A 20200109; JP 7134739 B2 20220912

DOCDB simple family (application)  
**EP 19182178 A 20190625**; JP 2018122248 A 20180627