

Title (en)
A DUST COLLECTOR

Title (de)
STAUBSAMMELVORRICHTUNG

Title (fr)
DISPOSITIF DE DÉPOUSSIÉRAGE

Publication
EP 2064981 A4 20130904 (EN)

Application
EP 07785158 A 20070723

Priority
• CN 2007002234 W 20070723
• CN 200610096159 A 20060921
• CN 200620125894 U 20061128

Abstract (en)
[origin: EP2064981A1] A dust collector includes a body, which includes a vacuum chamber and a motor chamber holding the motor; and a detachable dust-collecting unit arranged in the vacuum chamber. Said dust-collecting unit includes an upstream cyclone separator (1) and several downstream cyclone separators (2) connected with said upstream cyclone separator (1). Said downstream cyclone separators (2) are arranged side by side around said upstream cyclone separator (1) and connected to each other to form a first dust cup (3). The air outlet port of said upstream cyclone separator (1) is communicated with the air inlet ports of said several downstream separators (2). The bottom cover (21) and the dust cover (22) can be opened successively, so that the dust in the upstream cyclone separator (1) and the downstream cyclone separators (2) can be poured out separately and successively.

IPC 8 full level
A47L 9/00 (2006.01)

CPC (source: EP)
A47L 9/1625 (2013.01); **A47L 9/1641** (2013.01); **A47L 9/1683** (2013.01)

Citation (search report)
• [XA] WO 2006038750 A1 20060413 - LG ELECTRONICS INC [KR], et al
• [E] DE 202007013561 U1 20071220 - SUZHOU PRO CLEAN ELECTRIC CO L [CN]
• See references of WO 2008034325A1

Cited by
RU2745497C2; GB2452891B; CN104523203A; CN104540436A; AU2013279115B2; US11779178B2; US9609986B2; US9370286B2; US11006798B2; WO2018077497A1; WO2013190308A1; WO2014016007A1; US11745190B2; US11445872B2; US11534041B2; US9609990B2; US10756653B2; US9516982B2; US9392917B2; US11452409B2; US11534043B2; US9160255B2; US11445871B2; US11889969B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2064981 A1 20090603; EP 2064981 A4 20130904; WO 2008034325 A1 20080327

DOCDB simple family (application)
EP 07785158 A 20070723; CN 2007002234 W 20070723