

Title (en)
Vacuum cleaner

Title (de)
Staubsauger

Title (fr)
Aspirateur

Publication
EP 2848173 A1 20150318 (EN)

Application
EP 14183843 A 20140905

Priority
• KR 20130106743 A 20130905
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Abstract (en)

A vacuum cleaner that includes a first cleaner module and a second cleaner module that is removably coupled to the first cleaner module. The first cleaner module includes a first body and a first dust collection unit, and the second cleaner module includes a second body and a second dust collection unit. Thus, when done in an upright mode, cleaning can be done with a sufficiently great suction force. When done in a handheld mode after the second cleaner module is separated, cleaning can be easily done using the second cleaner module.

IPC 8 full level

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CPC (source: EP)

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A47L 9/325 (2013.01)

Citation (search report)

- [XY] WO 9720491 A1 19970612 - EMACO LTD [GB], et al
- [YA] US 2012030896 A1 20120209 - CROUCH JAMES TODD [US], et al
- [X] EP 1815777 A1 20070808 - TEAM INTERNAT MARKETING SA NV [BE]
- [A] US 2007136984 A1 20070621 - HSU CHIH K [TW]

Cited by

GB2535604A; GB2535604B; US10750913B2; US10506904B2; US10702113B2; WO2022069049A1; WO2016095041A1; TWI844825B;
US10136778B2; US10251519B2; US10842330B2; US11000168B2; US11857142B2; US10537216B2; US10722086B2; US10765278B2;
US11445875B2; US11737621B2; US10165912B2; US11006799B2; US1122943B2; US11627849B2; US9888817B2; US10117550B1;
US10149585B2; US10219662B2; US10219661B2; US10219660B2; US10362911B2; US10478030B2; US10624510B2; US11192122B2;
US11389038B2; US10631693B2; US11013384B2; US11903546B2; US11903547B1; US11910983B2; US11918168B2; US11986145B2;
US11992167B2; US12121198B2

Designated contracting state (EPC)

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BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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