

Title (en)  
VACUUM CLEANER

Title (de)  
STAUBSAUGER

Title (fr)  
ASPIRATEUR

Publication  
**EP 3424391 A4 20191120 (EN)**

Application  
**EP 17760268 A 20170227**

Priority

- KR 20160024022 A 20160229
- KR 20160062452 A 20160520
- KR 20160108664 A 20160825
- KR 20160184117 A 20161230
- KR 2017002148 W 20170227

Abstract (en)  
[origin: EP3424391A1] Provided is a vacuum cleaner including a cleaner body; a cover member installed at an upper portion of the cleaner body to be opened and closed and configured to form a part of a front surface and an upper surface of the cleaner body; a suction hose provided at a front surface of the cover member; a hole formed at the front surface of the cover member to be in communication with the suction hose; and an outlet port formed at a rear surface of the cleaner body to be located at a position lower than the hole, wherein air introduced through the hole is discharged to the outlet port via an inside of the cleaner body.

IPC 8 full level  
**A47L 9/28** (2006.01); **A47L 5/36** (2006.01); **A47L 7/04** (2006.01); **A47L 9/16** (2006.01); **B25J 9/00** (2006.01); **B25J 9/16** (2006.01); **B25J 11/00** (2006.01); **B25J 19/00** (2006.01); **B25J 19/02** (2006.01); **G05D 1/02** (2006.01)

CPC (source: CN EP US)  
**A47L 5/36** (2013.01 - CN); **A47L 5/362** (2013.01 - EP US); **A47L 7/04** (2013.01 - EP); **A47L 9/00** (2013.01 - CN); **A47L 9/0081** (2013.01 - CN EP US); **A47L 9/009** (2013.01 - CN US); **A47L 9/10** (2013.01 - CN); **A47L 9/102** (2013.01 - US); **A47L 9/12** (2013.01 - US); **A47L 9/1625** (2013.01 - CN); **A47L 9/1683** (2013.01 - EP); **A47L 9/1691** (2013.01 - EP); **A47L 9/242** (2013.01 - US); **A47L 9/28** (2013.01 - CN EP); **A47L 9/2805** (2013.01 - CN US); **A47L 9/2852** (2013.01 - US); **A47L 9/2857** (2013.01 - US); **A47L 9/2884** (2013.01 - CN EP US)

Citation (search report)

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- [A] JP 2003093302 A 20030402 - TOSHIBA CORP
- [A] JP 2003024249 A 20030128 - TOSHIBA TEC KK
- [A] JP 2002028121 A 20020129 - TOSHIBA TEC KK
- [A] EP 1674009 A2 20060628 - LG ELECTRONICS INC [KR]
- See references of WO 2017150864A1

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DOCDB simple family (publication)  
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