

Title (en)  
ELECTRIC CLEANER

Title (de)  
ELEKTRISCHER REINIGER

Title (fr)  
ASPIRATEUR ELECTRIQUE

Publication  
**EP 2002775 A4 20100331 (EN)**

Application  
**EP 07740358 A 20070329**

Priority  

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Abstract (en)  
[origin: EP2002775A1] A vacuum cleaner is disclosed, and this cleaner maintains sucking power at a high level while it resists lowering the suction force although it sucks dust. The vacuum cleaner includes a cylindrical dust collecting case which takes air in sucked by an electric air blower and including dust. The case includes a suction port through which the air including dust flows into the case along a tangent line, and a dust collector communicates with the port. A dust filter in the case is placed in an air-duct through which the case communicates with the electric air blower. This structure allows whirling airflow in the case to whirl continuously in the case, so that dust can be removed from the filter even if the dust attaches to the filter. As a result, sucking airflow can be always secured.

IPC 8 full level  
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Citation (search report)  

- [XY] EP 0679364 A1 19951102 - ROBERTS EDWARD JOHN [GB], et al
- [Y] WO 02076276 A1 20021003 - T P A IMPEX SPA [IT], et al
- [A] JP 2004033241 A 20040205 - SANYO ELECTRIC CO
- [A] JP S56114755 U 19810903
- [A] EP 1344481 A2 20030917 - T P A IMPEX SPA [IT]
- [A] EP 1371318 A2 20031217 - HITACHI HOME & LIFE SOLUTIONS [JP]
- See references of WO 2007114275A1

Cited by  
EP3984620A1; EP2443979A4; US11571097B2; US11357369B2; US11857137B2

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**EP 07740358 A 20070329**; CN 200780000145 A 20070329; CN 200910265260 A 20070329; CN 200910265261 A 20070329; JP 2007056920 W 20070329; JP 2007080934 A 20070327; JP 2008323699 A 20081219; JP 2008323700 A 20081219; JP 2008323701 A 20081219; JP 2008323702 A 20081219; JP 2008323703 A 20081219; JP 2008323704 A 20081219; KR 20077020665 A 20070329; KR 20097018379 A 20070329; KR 20097018380 A 20070329; MY PI20072023 A 20070329; US 91362207 A 20070329