

Title (en)  
AUTONOMOUS TRAVEL-TYPE CLEANER

Title (de)  
AUTONOMER BEWEGLICHER REINIGER

Title (fr)  
DISPOSITIF DE NETTOYAGE DE TYPE À DÉPLACEMENT AUTONOME

Publication  
**EP 3205250 A4 20180221 (EN)**

Application  
**EP 15848938 A 20151006**

Priority  
• JP 2014208654 A 20141010  
• JP 2015051342 A 20150313  
• JP 2015005070 W 20151006

Abstract (en)  
[origin: EP3205250A1] Once it is determined in Step S2 that a corner has been detected, a control unit causes a body to perform a reciprocating motion and initiate corner cleaning in Step S3. Then, once it is determined in Step S4 that a rubbish detection sensor detects no rubbish, the corner cleaning is terminated in Step S6. Once it is determined in Step S4 that the rubbish detection sensor detects rubbish, the corner cleaning continues to be executed by the body being caused to perform the reciprocating motion in Step S5. In other words, an autonomous travel-type cleaner is realized that can remove a large amount of the rubbish accumulating at the corner by causing the body to perform the reciprocating motion.

IPC 8 full level  
**A47L 9/28** (2006.01); **G05D 1/02** (2006.01)

CPC (source: EP)  
**A47L 9/009** (2013.01); **A47L 9/2826** (2013.01); **A47L 9/2852** (2013.01)

Citation (search report)  
• [X] JP 2014188001 A 20141006 - HITACHI APPLIANCES INC  
• [A] JP 2008529752 A 20080807  
• [A] JP 2010526594 A 20100805  
• [X] DE 202014003375 U1 20140522 - OSTWALD ANDREAS [DE]  
• See references of WO 2016056226A1

Cited by  
CN107802212A; CN107647827A

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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