

Title (en)  
Vacuum cleaner

Title (de)  
Staubsauger

Title (fr)  
Aspirateur

Publication  
**EP 1457150 A3 20080604 (EN)**

Application  
**EP 04005919 A 20040312**

Priority  
• JP 2003066465 A 20030312  
• JP 2003085054 A 20030326

Abstract (en)  
[origin: EP1457150A2] A vacuum cleaner of the present invention includes an electric blower for generating a suction air stream; a plurality of centrifugal separation parts for separating dirt particles from the suction air stream; and an air inlet installed upstream of the centrifugal separation parts. The suction air stream suctioned in the air inlet is divided in plural streams to flow into the respective centrifugal separation parts. By installing the multiple centrifugal separation parts, dirt collecting capability can be improved and, at the same time, a size of the vacuum cleaner can be scaled down in comparison with a case where a single large centrifugal separation part having equal dirt collecting capability is installed.

IPC 8 full level  
**A47L 9/16** (2006.01); **A47L 9/10** (2006.01)

CPC (source: EP)  
**A47L 9/1608** (2013.01); **A47L 9/1641** (2013.01); **A47L 9/1691** (2013.01)

Citation (search report)  
• [X] WO 0049933 A1 20000831 - LG ELECTRONICS INC [KR], et al  
• [X] FR 2619498 A1 19890224 - BONNET GEORGES [FR]  
• [A] GB 2368005 A 20020424 - SAMSUNG KWANGJU ELECTRONICS CO [KR]  
• [A] US 2002011050 A1 20020131 - HANSEN SAMUEL N [US], et al  
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DOCDB simple family (publication)  
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**EP 04005919 A 20040312**; CN 200410028374 A 20040309; CN 200420007908 U 20040309; HK 05101711 A 20050228; MY PI20040878 A 20040312