

Title (en)  
CLEANER AND CLEANING METHOD

Title (de)  
STAUBSAUGER UND REINIGUNGSVERFAHREN

Title (fr)  
ASPIRATEUR ET PROCEDE DE NETTOYAGE

Publication  
**EP 0728434 A4 19970102 (EN)**

Application  
**EP 94927046 A 19940914**

Priority  
JP 9401518 W 19940914

Abstract (en)  
[origin: WO9608192A1] A vacuum cleaner is such that any rotary brush, dispensed with a quiet suction body is provided. Gaps (suction nozzles) are provided in a front edge of the suction body facing a surface being cleaned, and a suction chamber formed by a smooth, continuous surface of a cylindrical shape is provided to extend from an end of the suction nozzle into the suction body. Suction is effected in the suction chamber by suction means whereby a swirling air flow is generated in a longitudinal direction of the suction body to cause the high speed air flow to separate and such dust from the surface being cleaned.

IPC 1-7  
**A47L 9/02**

IPC 8 full level  
**A47L 9/02** (2006.01)

CPC (source: EP KR)  
**A47L 9/02** (2013.01 - EP KR)

Citation (search report)

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- [X] US 3238557 A 19660308 - FOSTER BERRY W
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Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**WO 9608192 A1 19960321**; DE 69431208 D1 20020926; DE 69431208 T2 20030417; EP 0728434 A1 19960828; EP 0728434 A4 19970102; EP 0728434 B1 20020821; KR 100344684 B1 20021118; KR 960705497 A 19961108

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