

Title (en)  
Inlet means with multiple ports

Title (de)  
Einlassmittel mit mehreren Öffnungen

Title (fr)  
Moyen d'entrée à ports multiples

Publication  
**EP 2266449 A2 20101229 (EN)**

Application  
**EP 10158919 A 20100401**

Priority  
KR 20090055308 A 20090622

Abstract (en)  
An inlet means (200) with multiple suction ports and a vacuum cleaner (100) in which the inlet means is disposed are provided. The inlet means (200) includes an upper casing (201) having a secondary suction port (231) formed therein, a lower casing (202) engaged with the upper casing. The inlet means (200) further has a main suction port (203) formed therein and a shutter (240) formed in the upper casing; a secondary flow path (230) and an shutter flow path (210) are each formed between the upper casing and the lower casing, the shutter (240) opens the secondary suction port (230) and closes an upper end of the shutter flow path (210), when the vacuum at a lower area of the lower casing is increased. Accordingly, a constant contact force is maintained between the inlet means and the surface being cleaned.

IPC 8 full level  
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CPC (source: EP KR)  
**A47L 5/12** (2013.01 - KR); **A47L 9/00** (2013.01 - KR); **A47L 9/0072** (2013.01 - EP); **A47L 9/02** (2013.01 - EP KR)

Citation (applicant)

- KR 100621259 B1 20060913
- KR 19990029151 A 19990719
- JP 2000217753 A 20000808 - SHARP KK
- JP S62184847 U 19871124
- JP 2008086549 A 20080417 - MATSUSHITA ELECTRIC IND CO LTD

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

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