

Title (en)

VACUUM INDUCTION HEAD WITH DUST-BEATING APPARATUS

Title (de)

VAKUUMINDUKTIONSKOPF MIT STAUBKLOPFVORRICHTUNG

Title (fr)

TÊTE D'ASPIRATION ÉQUIPÉE D'UN APPAREIL CONÇU POUR BATTRE UN OBJET AFIN D'EN CHASSER LA POUSSIÈRE

Publication

**EP 2164375 A4 20101201 (EN)**

Application

**EP 08753693 A 20080523**

Priority

- KR 2008002909 W 20080523
- KR 20070050035 A 20070523

Abstract (en)

[origin: WO2008143485A2] The present invention relates to a vacuum cleaning suction head for a vacuum cleaner where the dumping function is added, more particularly to a vacuum cleaning suction head capable of beating the cleaning object such as the bed mattress, the blanket, the carpet and the clothe in elastic and removing the dust (and/or the dirt, the bacteria such as the rat mites, and etc.) infiltrated into the cleaning object in efficiency. According to a preferred example, the vacuum cleaning suction head includes a lower case and an upper case for covering the lower case, an electric motor generating the rotation force for beating the surface of a surface of the cleaning object to be cleaned, a rotary drum which is cooperated with the electric motor and has at least one cleaning object beating module lifting protrusion formed on the periphery surface thereof, and a beating module having a plurality of beating rods or a beating member for elastically beating the cleaning object, the beating rods and the beating member having respectively an front tip which is accumulated with the elasticity force by the cleaning object beating module lifting protrusion in accordance with the rotation of the motor.

IPC 8 full level

**A47L 9/04** (2006.01)

CPC (source: EP KR US)

**A47L 9/02** (2013.01 - KR); **A47L 9/04** (2013.01 - KR); **A47L 9/0411** (2013.01 - EP US); **A47L 9/0483** (2013.01 - EP US)

Citation (search report)

- [A] JP H01223917 A 19890907 - TOKYO ELECTRIC CO LTD
- [A] US 3615819 A 19711026 - CAULEY THOMAS K
- [A] GB 338414 A 19301120 - SAMUEL GOTTFRID SVENSSON
- See references of WO 2008143485A2

Cited by

DE102015105061A1; DE102015105061B4

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 2008143485 A2 20081127**; **WO 2008143485 A3 20090122**; CN 101686783 A 20100331; EP 2164375 A2 20100324; EP 2164375 A4 20101201; EP 2164375 B1 20130306; JP 2010527684 A 20100819; KR 100899524 B1 20090527; KR 20080063727 A 20080707; US 2011035900 A1 20110217

DOCDB simple family (application)

**KR 2008002909 W 20080523**; CN 200880016963 A 20080523; EP 08753693 A 20080523; JP 2010509279 A 20080523; KR 20080048033 A 20080523; US 60149708 A 20080523