

Title (en)  
HAND-OPERATED ADJUSTABLE VACUUM NOZZLE

Title (de)  
HANDGEFÜHRTE VERSTELLBARE SAUGDÜSE

Title (fr)  
BUSE D'ASPIRATION AJUSTABLE MANUELLEMENT

Publication  
**EP 1814430 B1 20100908 (DE)**

Application  
**EP 05810964 A 20051031**

Priority  
• EP 2005055650 W 20051031  
• DE 102004055125 A 20041116

Abstract (en)  
[origin: EP1908386A2] The nozzle has a tube-like nozzle section (8) with a slit in areas of its free ends to form half tubular nozzle sections (10) that are swiveled relative to one another to change a tube-like joint nozzle to a surface nozzle. Bristles are displaceably arranged in the suction nozzle. The sections (10) are opened up to 180 degrees in a spreading position. Conversion of the section (8) to the sections (10) is formed by a flexible cover.

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

CPC (source: EP)  
**A47L 9/02** (2013.01); **A47L 9/06** (2013.01); **A47L 9/0613** (2013.01); **A47L 9/0673** (2013.01)

Cited by  
US8947496B2; US9700187B2; US10238255B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1908386 A2 20080409; EP 1908386 A3 20100120; EP 1908386 B1 20121128**; AT E480174 T1 20100915; CN 101060804 A 20071024; CN 101060804 B 20100414; CN 101273862 A 20081001; CN 101273862 B 20120905; DE 102004055125 A1 20060518; DE 502005010244 D1 20101021; EP 1814430 A2 20070808; EP 1814430 B1 20100908; RU 2007122491 A 20081227; RU 2008108842 A 20090920; WO 2006053823 A2 20060526; WO 2006053823 A3 20061102

DOCDB simple family (application)  
**EP 08100583 A 20051031**; AT 05810964 T 20051031; CN 200580039019 A 20051031; CN 200810088641 A 20051031; DE 102004055125 A 20041116; DE 502005010244 T 20051031; EP 05810964 A 20051031; EP 2005055650 W 20051031; RU 2007122491 A 20051031; RU 2008108842 A 20080306