

Title (en)
Vacuum cleaner nozzle

Title (de)
Staubsaugerdüse

Title (fr)
Suceur d'aspirateur

Publication
EP 2374393 B1 20150909 (FR)

Application
EP 11305388 A 20110404

Priority
FR 1052574 A 20100406

Abstract (en)
[origin: EP2374393A1] The nozzle has a connection zone (21) formed by curved walls (11, 25), where radius of curvature of the curved walls is greater than 30 mm. A base plate (2) includes a brush (3) placed on its periphery, where the brush comprises a rectangular opening (36) uniformly placed on a lower edge (34) of a front face (31) of the brush. Dimension of the opening is determined based on a noise/rate compromise level of the nozzle. The base plate includes a frame (20) in which the brush is inserted, where center of the frame forms an inlet of a suction channel.

IPC 8 full level
A47L 9/00 (2006.01); **A47L 9/02** (2006.01); **A47L 9/06** (2006.01)

CPC (source: EP)
A47L 9/0081 (2013.01); **A47L 9/02** (2013.01); **A47L 9/0606** (2013.01)

Citation (opposition)
Opponent : Wessel-Werk GmbH
• US 3040364 A 19620626 - REINHOLD CARLBERG ERIK
• DE 8814882 U1 19890126
• DE 202005014329 U1 20051110 - STEFFGEN HELGA [DE]
• GB 2014438 A 19790830 - ELECTROLUX LTD
• FR 2860413 A1 20050408 - SEB SA [FR]
• DE 102008015904 A1 20091001 - WESSEL WERK GMBH [DE]
• US 2006000053 A1 20060105 - LIM JONG-KOOK [KR], et al

Cited by
CN105167713A

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2374393 A1 20111012; EP 2374393 B1 20150909; CN 102210573 A 20111012; CN 102210573 B 20150805; ES 2555069 T3 20151228; FR 2958143 A1 20111007; FR 2958143 B1 20120608

DOCDB simple family (application)
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