

Title (en)  
Suction nozzle for vacuum cleaner

Title (de)  
Bodendüse für Staubsauger

Title (fr)  
Buse pour aspirateur

Publication  
**EP 1396221 B1 20060215 (DE)**

Application  
**EP 03014015 A 20030621**

Priority  
DE 10241055 A 20020905

Abstract (en)  
[origin: EP1396221A1] The joint (4) comprises a tubular: T-piece (8), elbow (9) and end connection for the suction pipe (5). The T-piece pivots in a pair of tubular mountings (10) opening into the nozzle. Its angle of rotation is limited by a stop (11). Curvature of the elbow is such that when the T-piece rests against the stop, the connecting end lies in a plane which is essentially parallel to that containing the horizontal rotation axis (6).

IPC 8 full level  
**A47L 9/02** (2006.01); **A47L 9/24** (2006.01)

CPC (source: EP)  
**A47L 9/02** (2013.01); **A47L 9/242** (2013.01)

Cited by  
CN103188976A; FR2863159A1; DE102007057349B4; FR2872401A1; GB2409404A; GB2409404B; CN113301837A; EP2272414A1; CN101926630A; GB2471112B; US8375512B2; EP2064978A2; DE102007057349A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 1396221 A1 20040310; EP 1396221 B1 20060215**; DE 10241055 A1 20040318; DE 50302397 D1 20060420

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**EP 03014015 A 20030621**; DE 10241055 A 20020905; DE 50302397 T 20030621