

Title (en)
SUCTION NOZZLE

Publication
EP 0248201 B1 19900207 (DE)

Application
EP 87106073 A 19870425

Priority
DE 3618803 A 19860604

Abstract (en)
[origin: US4888850A] A vacuum cleaner nozzle arrangement has a nozzle defining a suction channel arranged across the width of the nozzle with suction edges surrounding the channel. The nozzle is connected to a connecting wand via a conduit segment disposed therebetween and a vacuum cleaner can be attached to the connecting wand. The nozzle is suspended from the nozzle housing by means of a so-called parallel crank drive. The nozzle housing is configured to be driven or pushed upon a surface to be cleaned.

IPC 1-7
A47L 9/02

IPC 8 full level
A47L 5/34 (2006.01); **A47L 9/02** (2006.01)

CPC (source: EP US)
A47L 9/02 (2013.01 - EP US)

Cited by
EP2338399A3; CN101862164A; US8474094B2; WO2010119279A1; US8555462B2; US8707514B2; EP2418994B1

Designated contracting state (EPC)
AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0248201 A1 19871209; EP 0248201 B1 19900207; AT E50132 T1 19900215; AU 7379787 A 19871210; CA 1281513 C 19910319; DE 3618803 A1 19871210; DE 3761608 D1 19900315; ES 2013739 B3 19900601; JP H0675349 U 19941025; JP H084934 Y2 19960214; JP S62286424 A 19871212; US 4888850 A 19891226; ZA 873249 B 19880928

DOCDB simple family (application)
EP 87106073 A 19870425; AT 87106073 T 19870425; AU 7379787 A 19870603; CA 538658 A 19870603; DE 3618803 A 19860604; DE 3761608 T 19870425; ES 87106073 T 19870425; JP 10020487 A 19870424; JP 4873293 U 19930716; US 5555287 A 19870529; ZA 873249 A 19870506