

Title (en)  
DEVICE FOR CLEANING SURFACES

Publication  
**EP 0380524 B1 19920805 (DE)**

Application  
**EP 88908100 A 19880928**

Priority  
AT 271487 A 19871014

Abstract (en)  
[origin: WO8903191A1] A device for cleaning surfaces has a suction head (6) with two concentric annular counterrotating brushes (24) on the side facing the surfaces to be cleaned. A cleaning fluid is sprayed through a duct (9) into the gap between the two annular brushes and then sucked through a suction duct (5), together with the impurities, into a tank (2) for the cleaning liquid (3). The rotating annular brushes (24) are driven by a hydraulic motor housed in the suction head (6), which is fed by ducts (19, 20). This suction head is also suitable for cleaning vertical or overhead surfaces.

IPC 1-7  
**A47L 11/30**

IPC 8 full level  
**A47L 11/30** (2006.01)

CPC (source: EP)  
**A47L 11/305** (2013.01); **A47L 11/4016** (2013.01); **A47L 11/4027** (2013.01); **A47L 11/4038** (2013.01); **A47L 11/4044** (2013.01);  
**A47L 11/4069** (2013.01); **A47L 11/4088** (2013.01)

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

DOCDB simple family (publication)  
**WO 8903191 A1 19890420**; AT 388863 B 19890911; AT A271487 A 19890215; DE 3873543 D1 19920910; EP 0380524 A1 19900808;  
EP 0380524 B1 19920805

DOCDB simple family (application)  
**AT 8800073 W 19880928**; AT 271487 A 19871014; DE 3873543 T 19880928; EP 88908100 A 19880928