Title (en)
DEVICE FOR CLEANING HARD SURFACES, IN PARTICULAR WINDOWS.

Title (de)
HARTFLÄCHENWISCHGERÄT, INSBESONDERE FENSTERWISCHER.

Title (fr)
APPAREIL ESSUYEUR DE SURFACES DURES, NOTAMMENT ESSUI-FENETRES.

Publication
EP 0597949 B1 19951108 (DE)

Application
EP 92916616 A 19920723

Priority
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• EP 9201688 W 19920723

Abstract (en)
[origin: US5497530A] PCT No. PCT/EP92/01688 Sec. 371 Date Mar. 25, 1994 Sec. 102(e) Date Mar. 25, 1994 PCT Filed Jul. 23, 1992 PCT Pub. No. WO93/02611 PCT Pub. Date Feb. 18, 1993.In order to reduce the energy consumption of the suction unit, on the one hand, and to improve the cleaning effect, on the other hand, of a wiper device for hard surfaces, in particular a window wiper, comprising a slit-shaped suction nozzle, on which a flexible wiper lip is arranged, which protrudes forwardly beyond the suction nozzle, it is suggested that the wiper lip be held on a wall of the suction nozzle and drawn against the opposite wall of the suction nozzle under the influence of a suction stream in the suction nozzle and thereby close the suction nozzle.

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A47L 1/08

IPC 8 full level
A47C 1/06 (2006.01); **A47L 1/08** (2006.01)

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AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)
US 5497530 A 19960312; AT E129866 T1 19951115; CA 2114322 C 19960326; DE 4125866 A1 19930204; DE 4125866 C2 19930513; DE 59204276 D1 19951214; DE 9210252 U1 19921203; DK 0597949 T3 19960304; EP 0597949 A1 19940525; EP 0597949 B1 19951108; ES 2081124 T3 19960216; JP 2598880 B2 19970409; JP H06506136 A 19940714; KR 960005453 B1 19960425; WO 9302611 A1 19930218

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US 18586794 A 19940325; AT 92916616 T 19920723; CA 2114322 A 19920723; DE 4125866 A 19910803; DE 59204276 T 19920723; DE 9210252 U 19920731; DK 92916616 T 19920723; EP 9201688 W 19920723; EP 92916616 A 19920723; ES 92916616 T 19920723; JP 50323293 A 19920723; KR 19940700234 A 19940125