

Title (en)
CLEANER

Title (de)
REINIGUNGSGERÄT

Title (fr)
APPAREIL NETTOYEUR

Publication
EP 0993265 A1 20000419 (DE)

Application
EP 98940138 A 19980703

Priority
• DE 19728441 A 19970703
• EP 9804140 W 19980703

Abstract (en)
[origin: DE19728441C1] The two drums (2,3) rotate in opposite directions on parallel axes in the frame (1), on which is a push-handle (8). The handle protrudes from the frame in the direction of the axes of rotation of the drums, and turns on an axis parallel to those of the latter together with the frame. At its end furthest from the latter, the handle can have grips (12) at right angles to it, these being symmetrically situated in relation to a vertical plane between and parallel to the drum axes.

IPC 1-7
A47L 11/40; A47L 9/32; B25G 3/38

IPC 8 full level
A47L 9/32 (2006.01); **A47L 11/18** (2006.01); **A47L 11/24** (2006.01); **A47L 11/282** (2006.01); **A47L 11/32** (2006.01); **A47L 11/40** (2006.01); **B25G 3/38** (2006.01)

CPC (source: EP US)
A47L 11/24 (2013.01 - EP US); **A47L 11/32** (2013.01 - EP US); **A47L 11/4061** (2013.01 - EP US); **A47L 11/4075** (2013.01 - EP US)

Citation (search report)
See references of WO 9901062A1

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

DOCDB simple family (publication)
DE 19728441 C1 19981029; AU 8856198 A 19990125; DE 59801799 D1 20011122; EP 0993265 A1 20000419; EP 0993265 B1 20011017; JP 2000512199 A 20000919; US 6321406 B1 20011127; WO 9901062 A1 19990114

DOCDB simple family (application)
DE 19728441 A 19970703; AU 8856198 A 19980703; DE 59801799 T 19980703; EP 9804140 W 19980703; EP 98940138 A 19980703; JP 50636899 A 19980703; US 47061299 A 19991222