

Title (en)
Stick type vacuum cleaner.

Title (de)
Staubsauger.

Title (fr)
Aspirateur.

Publication
EP 0444516 B1 19941130 (EN)

Application
EP 91102452 A 19910220

Priority
US 48693690 A 19900301

Abstract (en)
[origin: EP0444516A2] A light-weight upright vacuum cleaner having a porous filter bag and a re-usable dirt cup in which the handle has two positions for either upright usage, or substantially horizontal usage on stairs, or the like. The cleaner is further provided with a rigid support bar connection the handle to the base of the vacuum cleaner and which is located outside the porous bag and the dirt cup in order to provide an unimpeded flow of air through the porous bag and of dirt into a larger volume dirt cup.

IPC 1-7
A47L 5/28

IPC 8 full level
A47L 5/24 (2006.01); **A47L 9/10** (2006.01); **A47L 9/32** (2006.01)

CPC (source: EP)
A47L 5/24 (2013.01)

Cited by
WO9835600A1

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

DOCDB simple family (publication)
EP 0444516 A2 19910904; EP 0444516 A3 19920603; EP 0444516 B1 19941130; CA 2023347 A1 19910902; DE 69105299 D1 19950112; DE 69105299 T2 19950413; ES 2064781 T3 19950201; JP H04220222 A 19920811

DOCDB simple family (application)
EP 91102452 A 19910220; CA 2023347 A 19900815; DE 69105299 T 19910220; ES 91102452 T 19910220; JP 3312691 A 19910227