

Title (en)
Extension tube assembly for vacuum cleaner

Title (de)
Ausziehrrohr für Staubsauger

Title (fr)
Tuyau télescopique pour aspirateur

Publication
EP 0937435 A2 19990825 (EN)

Application
EP 99300647 A 19990128

Priority
KR 19980002366 U 19980223

Abstract (en)
Extension tube assembly for a vacuum cleaner, is disclosed, of which length is adjustable with easy according to a user's height or ambient conditions, including an inner tube (20), an inner sleeve (40) movably fitted on an outer circumference of the inner tube (20) along an axis of the inner tube (20), an outer sleeve (60) rotatably fitted on an outer circumference of the inner sleeve (40) for fixing, or releasing the inner sleeve (40) to/from the inner tube at an arbitrary position along the axis of the inner body in moving the inner sleeve (40) along the axis of the inner tube (20) or fixing the inner sleeve at an arbitrary position along the axis of the inner tube (20), and an outer tube (90) fitted on the outer circumference of the inner sleeve at a rear portion thereof for moving together with the outer sleeve (60) and the inner sleeve (40). <IMAGE>

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A47L 9/24

IPC 8 full level
A47L 9/24 (2006.01)

CPC (source: EP KR)
A47L 9/24 (2013.01 - KR); **A47L 9/244** (2013.01 - EP)

Cited by
CN103340588A; DE102006061520A1; DE102006061520B4; US2010306960A1; JP2019162711A; WO2007025883A1; WO0238026A1; US8327504B2; US8225457B2; US6964434B2; US8708373B2; WO2008136724A1; US8240003B2; US8720002B2; WO2009081093A3; WO2019181120A1; WO03047413A1; WO2009024742A1; US7025383B2; EP2606801A2; DE102012024351A1; US9351621B2

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