

Title (en)

Arrangement for a releasable connection of the hose plug in a suction socket of a vacuum cleaner housing.

Title (de)

Anordnung zum lösbaren Verbinden des Anschlussstutzens eines Saugschlauches in einer am Staubsaugergehäuse vorgesehenen Saugöffnung.

Title (fr)

Dispositif de raccordement détachable de la fiche de tuyau de succion dans l'embout de boîtier d'un aspirateur de poussières.

Publication

EP 0212313 A1 19870304 (DE)

Application

EP 86110161 A 19860723

Priority

DE 8522551 U 19850805

Abstract (en)

1. A vacuum cleaner with an arrangement for the releasable connection of the connecting nozzle (6) of a suction hose in a suction opening (5) provided in the vacuum cleaner housing (1), in which arrangement at the tubular end (7) of the connecting nozzle (6), which can be introduced into the suction opening (5) and which is rotatably mounted in said suction opening, an annular chamber (13) is formed, in which a locking device (14) is arranged, which under the effect of spring tension, which comprises a release button (20) and which can be locked with corresponding counter elements in the suction opening (5), characterized in that the annular space (13) is formed by a tube connection (9), which is open towards the tubular end (7) of the connecting nozzle (6) and which encloses said end (7) concentrically ; in that the releasably secured locking device (14) comprises a resilient annular part (15) which encloses the tubular end (7) and at whose outer circumference a locking cam (16) is provided, which projects radially outwards which passes through a slot (17) in the wall of the tube connection (9) and which engages in a circumferential groove (18) formed in the wall of the suction opening (5) ; in that the release button (20) projecting through an opening (19) in the wall of the tube connection (9) is arranged on the annular part (15) at an axial distance from the locking cam (16) ; and in that the annular part (15) is secured against the wall of the tube connection (9) in the axial direction of the connecting nozzle (6) and in a radial direction in the region of the locking cam (16) and on the side opposite to the locking cam (16) is braced against the wall of the tube connection (9).

Abstract (de)

Die Erfindung betrifft eine Anordnung zum lösbaren Verbinden des Anschlußstutzens (6) eines Saugschlauches in der Saugöffnung (5) eines Staubsaugers (1). Erfindungsgemäß ist das rohrförmige Ende (7) des Anschlußstutzens (6) von einem Ende des Anschlußstutzens (6) hin offenen Rohransatz (9) konzentrisch umgeben. In dem Ringraum (13) zwischen dem rohrförmigen Ende (7) und dem Rohransatz (9) ist ein einteiliges Verriegelungselement (14) eingesetzt, dessen Rastnocke (16) durch einen Schlitz (17) in der Wand des Rohransatzes (9) hindurchtritt und in eine in der Wand der Saugöffnung (5) ausgebildete Umlaufnut (18) eingreift. Auf der der Rastnocke (16) gegenüberliegenden Seite ist die Verriegelungseinrichtung (14) mit einer Federlasche (22) versehen, durch deren Federkraft die Verriegelungseinrichtung (14) in radiale Richtung in dem Rohransatz (9) eingespannt ist.

IPC 1-7

A47L 9/24

IPC 8 full level

A47L 9/24 (2006.01)

CPC (source: EP)

A47L 9/242 (2013.01)

Citation (search report)

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Designated contracting state (EPC)

DE FR GB IT NL SE

DOCDB simple family (publication)

DE 8522551 U1 19861204; DE 3663444 D1 19890629; EP 0212313 A1 19870304; EP 0212313 B1 19890524

DOCDB simple family (application)

DE 8522551 U 19850805; DE 3663444 T 19860723; EP 86110161 A 19860723