

Title (en)
Coupling for steam cleaning machines.

Title (de)
Rohrverbindungen für Dampfreinigungsmaschinen.

Title (fr)
Raccords pour machines de nettoyage à vapeur.

Publication
EP 0670140 A1 19950906 (EN)

Application
EP 94500098 A 19940601

Priority
ES 9400387 A 19940225

Abstract (en)
A new arrangement of joint connection and channeling of two conduits , applicable to domestic and industrial cleaning machines (1), consisting of adapting a male connector (3), fitted with an electric connection, an intake connection, and a steam connection, to a support on a cleaning machine, said male connector having unions for connecting the intake (12), steam outlet (11) and cables, and it is fastened to a flexible pipe (13) and fitted with an anchoring claw or emerging stub, the opposite end of the flexible tube being connected to a handle (14) provided with push-buttons (15-16) for starting the cleaning machine. Said handle incorporates extensions shaped as stiff plastic material pipes at an end of which an accessory parts is incorporated for steam outlet and intake, and it is fitted with two nozzles on which rubber strips (42) and brush lines (43) are placed, a channeling (33) for passing an intake flow, and a second channeling (35) for passing said steam flow outside being maintained every moment inside all the accessories united each other. <IMAGE>

IPC 1-7
A47L 11/34; **A47L 11/40**

IPC 8 full level
A47L 11/34 (2006.01); **A47L 11/40** (2006.01)

CPC (source: EP)
A47L 11/34 (2013.01); **A47L 11/4044** (2013.01); **A47L 11/4086** (2013.01); **A47L 11/4088** (2013.01)

Citation (search report)
• [Y] US 4083077 A 19780411 - KNIGHT ARLEN M, et al
• [Y] EP 0176696 A2 19860409 - KAERCHER GMBH & CO ALFRED [DE]
• [A] DE 2527207 A1 19761230 - BOSCH SIEMENS HAUSGERAETE
• [A] US 4159554 A 19790703 - KNIGHT ARLEN M, et al
• [A] EP 0375490 A1 19900627 - SHOP VAC CORP [US]
• [A] EP 0485827 A1 19920520 - RADWULF SA [CH]

Cited by
FR2985417A1; FR2771276A1; NL1012895C2; NL1012675C2; DE19545517A1; DE19545517C2; GB2387771A; US6021545A; EP0723760A1; EP0827709A3; WO0107719A1; WO9632876A1

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