

Title (en)
CONNECTION DEVICE FOR CONNECTING SUCTION LINES AND VACUUM CLEANER

Title (de)
VERBUNDUNGSVORRICHTUNG ZUM VERBINDEN VON SAUGLEITUNGEN SOWIE SAUGGERÄT

Title (fr)
DISPOSITIF DE LIAISON DESTINÉ À LIER DES CONDUITS D'ASPIRATION ET APPAREIL D'ASPIRATION

Publication
EP 3367867 B1 20210908 (DE)

Application
EP 15785134 A 20151027

Priority
EP 2015074891 W 20151027

Abstract (en)
[origin: WO2017071740A1] The invention relates to a connection device for connecting a first suction line (12) to a second suction line (14), in particular a suction hose of a vacuum cleaner having a handle tube or a suction nozzle, said connection device (10) comprising a first connection part (16) and a second connection part (18), which is aligned coaxially thereto, relative to a connection axis (28), to which connection parts the first suction line (12) and the second suction line (14) are fastened or can be fastened, a carrier part (20), which is held on the first connection part (16) rotatably about the connection axis (28), and at least one first locking element (80) arranged on the carrier part (20) and at least one second locking element (60) arranged on the second connection part (18), wherein the connection parts (16, 18) can be connected to each other in a connection direction (44) and the locking elements (60, 80) interlockingly and/or frictionally engage when the connection parts (16, 18) are in the connected state. In order to provide such a connection device having improved handling, according to the invention at least one first alignment element (76) is arranged on the carrier part (20) and interacts with at least one second alignment element (54) on the second connection part (18) upon when the connection parts (16, 18) connect to each other, in order to align the carrier part (20) and the second connection part (18) in a relative position to each other, in which the locking elements (60, 80) can couple to each other, and the at least one first locking element (80) and the at least one first alignment element (76) are arranged one behind the other along the connection axis (28) on the carrier part (20). The invention further relates to a vacuum cleaner for cleaning purposes having such a connection device.

IPC 8 full level
A47L 9/24 (2006.01)

CPC (source: EP)
A47L 9/242 (2013.01)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2017071740 A1 20170504; CN 108024677 A 20180511; CN 108024677 B 20200703; EP 3367867 A1 20180905; EP 3367867 B1 20210908

DOCDB simple family (application)
EP 2015074891 W 20151027; CN 201580083389 A 20151027; EP 15785134 A 20151027