

Title (en)
Vacuum cleaner with a connection element

Title (de)
Staubsauger mit einem Verbindungselement

Title (fr)
Aspirateur doté d'un élément de liaison

Publication
EP 2233054 B1 20150429 (DE)

Application
EP 10154610 A 20100225

Priority
DE 102009001881 A 20090326

Abstract (en)
[origin: EP2233054A2] The cleaner has a connection element (2) comprising two pipe sections (3, 4), which are connected together by pivoted joints and an air guide i.e. hose (8). The element comprises a return device i.e. flexibly deformable element, which exerts return force on the joints in a position outside a preferred position of the joints. The joints consist of two joint parts (5, 6), and a universal joint section (7) connects the joint parts. One of the pipe sections is connected with one of the joint parts, and another one of the pipe sections is connected with another one of the joint parts.

IPC 8 full level
A47L 9/24 (2006.01)

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

Cited by
CN105690200A; CN107456155A; FR3039055A1; CN107847092A; KR20180033246A; WO2017017365A1

Designated contracting state (EPC)
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