

Title (en)
FLEXIBLE TUBE CONNECTING STRUCTURE, AND VACUUM CLEANER EMPLOYING SAME

Title (de)
FLEXIBLE SCHLAUCHVERBINDUNGSSTRUKTUR UND STAUBSAUGER DAMIT

Title (fr)
STRUCTURE DE LIAISON DE TUBE SOUPLE, ET ASPIRATEUR L'UTILISANT

Publication
EP 3412189 B1 20221012 (EN)

Application
EP 17746991 A 20170203

Priority
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• CN 2017072845 W 20170203

Abstract (en)
[origin: EP3412189A1] Provided are a hose connecting structure and a vacuum cleaner employing the same. The hose connecting structure includes a hose coupler (2) fixedly provided at an end portion of a hose (1), and an collar (3) rotatably connected with the hose (1) under a limitation of the hose coupler (2), wherein the collar (3) includes a collar body (31) and an elastic limiting portion (32) provided at one end of the collar body (31), and an inner diameter of the collar body (31) is not smaller than an outer diameter of the hose coupler (2). When the collar (3) passes into the hose (1) through the hose coupler (2), the elastic limiting portion (32) is elastically deformed to expand outward. After the collar (3) passes through the hose coupler (2), the elastic limiting portion (32) restores to an original state and is matched with the hose coupler (2) to limit the collar (3). Also provided is a vacuum cleaner employing a hose connecting structure. By disposing the elastic limiting portion (32) at one end of the collar body (31) of the collar (3), the collar (3) is covered around the hose (1) and is limited in cooperation with the hose coupler (2).

IPC 8 full level
A47L 9/24 (2006.01)

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