

Title (en)

FLEXIBLE HOSE, IN PARTICULAR A VACUUM CLEANER HOSE, AND METHOD FOR PRODUCING SAME

Title (de)

FLEXIBLER SCHLAUCH, INSBESONDERE STAUBSAUGERSCHLAUCH, UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

TUYAU FLEXIBLE, EN PARTICULIER TUYAU D'ASPIRATEUR, ET SON PROCÉDÉ DE PRODUCTION

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Application

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Abstract (en)

[origin: WO2023007001A1] The invention relates to a flexible hose (10), in particular a vacuum cleaner hose, comprising a corrugated-profile inner hose (12) which delimits, by means of an inner face, a cavity for conveying media along a longitudinal axis (18), is surrounded, on an outer face (20), by a substantially flat covering (22), and is provided, on at least one of its two ends, with a connection piece. An electrical conductor (30) is situated radially between the inner hose and the covering, which conductor extends from one end to the other end of the inner hose and terminates in the connection piece to provide electrical contact. The electrical conductor is formed by a resilient flat-conductor assembly (32) which extends along the hose in an electrically insulated manner in parallel with the longitudinal axis and is held on the corrugated profile (34) of the inner hose at least by the covering, as a result of which in particular hoses which are long, equipped with electrical conductors and have a low weight can be produced cost-effectively. The invention also relates to a method for producing such a hose on a large scale.

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