

Title (en)

FLEXIBLE WAVEGUIDE DEVICE AND METHOD FOR MANUFACTURING SUCH A DEVICE

Title (de)

FLEXIBLE WELLENLEITERVORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG EINER SOLCHEN VORRICHTUNG

Title (fr)

DISPOSITIF À GUIDE D'ONDES FLEXIBLE ET PROCÉDÉ DE FABRICATION D'UN TEL DISPOSITIF

Publication

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Application

**EP 21732582 A 20210616**

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- IB 2021055303 W 20210616

Abstract (en)

[origin: CA3181295A1] The invention relates to a flexible waveguide device (10), of the bellows type, for guiding a radiofrequency signal at a specified frequency. The device (10) comprises: a core (12) comprising outer (14a) and inner (14b) lateral walls, the inner surfaces (14b) delimiting a waveguide channel (16); two fastening flanges (18a, 18b) connected to the respective ends of the core (12), and at least one flexible corrugated portion (20). The flexible corrugated portion (20) is formed over part of the outer lateral walls (14a) of the core (12). This corrugated portion (20) comprises a plurality of circumferential ribs (20) which are adjacent to one another. Each rib (22) is devoid of a corrugation along its circumference. The invention also relates to a method for manufacturing the flexible waveguide device.

IPC 8 full level

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