

Title (en)
STRUCTURALLY FLEXIBLE WAVEGUIDE

Title (de)
STRUKTURELL FLEXIBLER WELLENLEITER

Title (fr)
GUIDE D'ONDE A STRUCTURE FLEXIBLE

Publication
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Application
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Abstract (en)
[origin: WO0155757A2] A robust, inexpensive, and flexible apparatus that transports electromagnetic radiation to a receiving device. The apparatus includes a waveguide with a proximal and distal ends. A sheath formed from superelastic alloys is formed around the outer diameter of the waveguide. A housing is formed near the distal and proximal ends of the waveguide to provide structural support for the ends of the waveguide. Additionally, a connector is coupled to each housing to connect to a radiation source or a receiving device. The connector may be a FSMA connector and the apparatus may be used in a variety of medical and industrial applications.

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