

Title (en)
WAVEGUIDE EXPANSION-JOINT

Publication
EP 0004654 B1 19810812 (FR)

Application
EP 79100993 A 19790402

Priority
FR 7810480 A 19780407

Abstract (en)
[origin: US4247838A] The expansion joint includes a first component and a second component which have the same inside dimensions as the wave guide and are free to move longitudinally with respect to each other, the first component having exclusively a wave guide structure, the second component including a trap positioned at least partially between said components and outside the first component, the electric length of said trap being equal to half the wavelength of the central frequency transmitted by the wave guide, said components being separated longitudinally at the trap by a distance which varies when the length of the wave guide varies. The trap can be folded to reduce its bulk. Application to long wave guides.

IPC 1-7
H01P 1/04; **H01P 1/06**; **H01P 1/30**

IPC 8 full level
H01P 1/06 (2006.01); **H01P 1/30** (2006.01)

CPC (source: EP US)
H01P 1/061 (2013.01 - EP US); **H01P 1/30** (2013.01 - EP US)

Cited by
AU577064B2; FR2572221A1

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EP 0004654 A1 19791017; **EP 0004654 B1 19810812**; CA 1114463 A 19811215; DE 2960614 D1 19811112; FR 2422264 A1 19791102; FR 2422264 B1 19810123; JP S54134955 A 19791019; US 4247838 A 19810127

DOCDB simple family (application)
EP 79100993 A 19790402; CA 325056 A 19790406; DE 2960614 T 19790402; FR 7810480 A 19780407; JP 3844379 A 19790402; US 2414379 A 19790326