

Title (en)

Waveguide with a dielectric window assembly

Title (de)

Hohlleiter mit dielektrischer Fenstervorrichtung

Title (fr)

Assemblage de fenêtres diélectriques pour guide d'ondes

Publication

EP 0940876 A1 19990908 (EN)

Application

EP 99301201 A 19990218

Priority

GB 9803534 A 19980219

Abstract (en)

A waveguide for a beam of electromagnetic radiation includes a passage (12) and two windows (14, 16), each having a curved profile, spaced from each other and extending across the passage (12) and the space (12a) between the windows (14, 16) being at a pressure higher than that in the passage (12) outside the space (12a). <IMAGE>

IPC 1-7

H01P 1/08

IPC 8 full level

H01P 3/12 (2006.01); **H01P 1/08** (2006.01); **H01P 3/123** (2006.01); **H01Q 13/00** (2006.01)

CPC (source: EP)

H01P 1/08 (2013.01)

Citation (search report)

- [XY] GB 1026123 A 19660414 - EMI LTD
- [Y] GB 777485 A 19570626 - ENGLISH ELECTRIC VALVE CO LTD
- [Y] US 3345535 A 19671003 - JOHNSON FLOYD O, et al
- [Y] EP 0505066 A1 19920923 - VARIAN ASSOCIATES [US]
- [A] US 3324427 A 19670606 - MAX WEISS HARRY
- [A] GB 741640 A 19551207 - BRITISH THOMSON HOUSTON CO LTD
- [Y] BRAZ O ET AL: "HIGH POWER 170 GHZ TEST OF CVD DIAMOND FOR ECH WINDOW", INTERNATIONAL JOURNAL OF INFRARED AND MILLIMETER WAVES, vol. 18, no. 8, 1 August 1997 (1997-08-01), pages 1495 - 1503, XP000699766

Cited by

WO2007148004A1

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