

Title (en)  
Waveguide monitoring arrangement

Title (de)  
Überwachungseinrichtung für Hohlleiter

Title (fr)  
Dispositif de surveillance pour guide d'ondes

Publication  
**EP 1341253 A1 20030903 (EN)**

Application  
**EP 03250708 A 20030204**

Priority  
GB 0202660 A 20020206

Abstract (en)  
An electromagnetic waveguide unit such as a diplexer includes a signal monitoring arrangement having a sampling passage (6) which links two sections (3, 4) of the waveguide for testing purposes allowing a proportion of the signal to bypass an electromagnetic cavity filter 5. The passage contains a cavity 7, and the waveguide sections have tuning projections 8 and 9 disposed opposite the passage 6. The size of the holes in the waveguide wall can thus be reduced to minimise return losses whilst allowing sampling across a broader range of operating frequencies. In addition, the spacing between the waveguide sections can be increased giving greater design flexibility. <IMAGE>

IPC 1-7  
**H01P 1/213**

IPC 8 full level  
**H01P 1/213** (2006.01); **H01P 5/18** (2006.01)

CPC (source: EP)  
**H01P 1/2138** (2013.01); **H01P 5/181** (2013.01)

Citation (search report)

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