

Title (en)

A WAVEGUIDE AND A METHOD OF MAKING THE SAME

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Application

EP 81301701 A 19810416

Priority

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Abstract (en)

[origin: EP0040005A1] When machining waveguides a problem exists because of the flexing of the machining tool, this leading to inaccuracies in the waveguide. This is especially pronounced for narrow waveguides designed for high frequency operation since the tool has had to be of correspondingly narrow diameter. In Figure 2 a number of waveguides having a narrow dimension W are formed by interdigitated projections (6, 6A) on two piece of material 1 and 2. These intedigitated projections are produced by machining relatively wide parallel grooves in the two pieces of material and this can be done using a relatively large diameter tool which is not appreciably subject to flexing during operation. The result is relatively accurate, narrow waveguides of high surface finish unobtainable using conventional techniques.

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