

Title (en)  
MEASUREMENT OF MICROWAVE RADIATION

Title (de)  
MESSUNG VON MIKROWELLENSTRAHLUNG

Title (fr)  
MESURE DE RAYONNEMENT MICRO-ONDES

Publication  
**EP 0980530 A1 20000223 (EN)**

Application  
**EP 98920659 A 19980508**

Priority  
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Abstract (en)  
[origin: GB2325053A] A microwave radiation pulse measuring device comprises calorimetric means 2 and a frequency selective filter 3. The filter 3 being arranged between the calorimetric means 2 and the source of the microwave radiation 1. The calorimetric means may comprise a reservoir of ethanol which absorbs the filtered microwave energy and expands up a capillary tube 5 such that the level of the ethanol within the capillary indicates the level of microwave energy absorbed. The level of the liquid in the capillary may be measured using a capacitive arrangement. The frequency selective filter may comprise a dielectric layer on which is formed an array of conductive elements. Two such layers may be arranged such that they may be moved relative to one another to adjust the frequency of the filter.

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**G01R 22/04**; **G01R 21/02**

IPC 8 full level  
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