

Title (en)  
RESONANTER MIKROWELLESENSOR

Title (de)  
RESONANT MICROWAVE SENSOR

Title (fr)  
DETECTEUR MICRO-ONDES A RESONANCE

Publication  
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Application  
**EP 02700148 A 20020110**

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Abstract (en)  
[origin: WO02057762A2] The invention relates to a resonant microwave sensor (1) for determining properties of a material (3) to be examined. These properties are determined by a high-frequency measuring of a reflection factor (r) of a high-frequency resonance signal that serves as a measured quantity for determining properties of a substance to be examined. The resonant microwave sensor comprises a microwave feeder (4) for supplying the high-frequency signals, a sensor waveguide (2), which is coupled to the microwave feeder (4), and comprises a spiral conductor (5) that is arranged inside the sensor waveguide (2).

IPC 8 full level  
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**G01N 22/00** (2013.01 - EP US)

Citation (search report)  
See references of WO 02057762A2

Citation (examination)  
• DE 4432687 A1 19960321 - KARLSRUHE FORSCHZENT [DE]  
• EP 0948078 A2 19991006 - LORAL SPACE SYSTEMS INC [US]

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