

Title (en)  
ATR PROBE

Title (de)  
ATR-SONDE

Title (fr)  
SONDE ATR

Publication  
**EP 2217912 A2 20100818 (DE)**

Application  
**EP 08856785 A 20081202**

Priority  
• EP 2008066656 W 20081202  
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Abstract (en)  
[origin: WO2009071557A2] An ATR probe comprises a monolithic ATR body (2) comprising a surface segment (24) that can be impacted by a medium; a fiber optic transmitter arrangement (1) for irradiating non-collimated light into the ATR body (2); a fiber optic receiving arrangement for receiving the irradiated light after passing through the ATR body, wherein the light passing through the ATR body comprises at least two total reflections on a surface (24) contacting the media, characterized in that the surface area of the fiber optic receiving arrangement for receiving the light exiting the ATR body is greater than the surface area of the fiber optic transmitting arrangement for irradiating the light into the ATR body. The ATR body (2) preferably comprises at least one segment having a conical or truncated conical surface (24), and the truncated conical surface can be impacted at least partially by the medium.

IPC 8 full level  
**G01N 21/55** (2006.01)

CPC (source: EP US)  
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Citation (search report)  
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