

Title (en)
RESONATOR ELEMENT AND RESONATOR PIXEL FOR MICROBOLOMETER SENSOR

Title (de)
RESONATORELEMENT UND RESONATOR-PIXEL FÜR MIKROBOLOMETER-SENSOR

Title (fr)
ÉLÉMENT RÉSONATEUR ET PIXEL DE RÉSONATEUR POUR CAPTEUR MICROBOLOMÈTRE

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Abstract (en)
[origin: WO2010094051A1] The present invention relates to a resonator element for the absorption and/or conversion of electromagnetic waves having a predefined wavelength (?), in particular infrared radiation having a wavelength of 2 µm to 200 µm, into heat, characterized by - a three-layer structure comprising a first metal layer (11), a second metal layer (13) and a dielectric layer (12) being interposed between both metal layers (11, 13), - wherein the maximum lateral dimension of the layers (11, 12, 13) is in the range between one quarter and a half of the predefined wavelength (?).

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