

Title (en)

MICROWAVE COMPONENT AND ASSOCIATED MANUFACTURING METHOD

Title (de)

MIKROWELLEN-BAUELEMENT UND ZUGEHÖRIGES HERSTELLUNGSVERFAHREN

Title (fr)

COMPOSANT MICRO-ONDES ET PROCEDE DE FABRICATION ASSOCIE

Publication

EP 3729557 A1 20201028 (FR)

Application

EP 18845308 A 20181228

Priority

- FR 1763412 A 20171229
- FR 2018053564 W 20181228

Abstract (en)

[origin: WO2019130007A1] The invention relates to a microwave component (102) comprising a propagation zone running along a propagation axis (X-X) and being bounded transversely, with respect to the propagation axis (X-X), by at least one electrically conductive wall (23, 26), the propagation zone (5) being configured to exhibit, at a predetermined reference temperature, a corresponding predetermined frequency response, the microwave component (102) being characterized in that it further includes at least one compensation block (28) arranged in the propagation zone (5), the at least one compensation block (28) being made of a dielectric material having a dielectric permittivity whose derivative with respect to temperature is of the opposite sign to at least one thermal expansion coefficient of the propagation zone (5) so as to compensate for a variation in the frequency response with temperature.

IPC 8 full level

H01P 1/208 (2006.01); **H01P 3/12** (2006.01)

CPC (source: EP)

H01P 1/2088 (2013.01); **H01P 3/121** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2019130007 A1 20190704; EP 3729557 A1 20201028; EP 3729557 B1 20240313; ES 2975209 T3 20240704; FR 3076402 A1 20190705; FR 3076402 B1 20210423

DOCDB simple family (application)

FR 2018053564 W 20181228; EP 18845308 A 20181228; ES 18845308 T 20181228; FR 1763412 A 20171229