

Title (en)
DIELECTRIC SINGLE CAVITY AND DIELECTRIC WAVEGUIDE FILTER

Title (de)
FILTER MIT DIELEKTRISCHEM EINZELHOHRAUM DIELEKTRISCHEM WELLENLEITER

Title (fr)
FILTRE À GUIDE D'ONDES DIÉLECTRIQUE ET CAVITÉ UNIQUE DIÉLECTRIQUE

Publication
EP 3985790 A4 20220803 (EN)

Application
EP 20833385 A 20200509

Priority
• CN 201910578718 A 20190628
• CN 2020089479 W 20200509

Abstract (en)
[origin: EP3985790A1] The present disclosure provides a dielectric single cavity and a dielectric waveguide filter. The dielectric single cavity comprises: a dielectric single cavity body, comprising an outer housing and an inner housing provided in the outer housing, a cavity being formed between the outer housing and the inner housing, and the inner housing is provided with a metal coupling hole for inserting and coupling a PIN; and a first relief hole, the first relief hole being provided on the outer housing and surrounding the metal coupling hole.

IPC 8 full level
H01P 7/04 (2006.01); **H01P 1/205** (2006.01)

CPC (source: CN EP)
H01P 1/2002 (2013.01 - CN); **H01P 1/2056** (2013.01 - EP); **H01P 1/212** (2013.01 - CN); **H01P 7/04** (2013.01 - EP)

Citation (search report)
• [X] US 2015207193 A1 20150723 - CUADRAS HUGO ENRIQUE [US], et al
• [X] US 5731751 A 19980324 - VANGALA REDDY R [US]
• [A] JP H07221521 A 19950818 - MURATA MANUFACTURING CO
• [A] US 2016164162 A1 20160609 - CHO HAK RAE [KR], et al
• See also references of WO 2020259097A1

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)
EP 3985790 A1 20220420; EP 3985790 A4 20220803; CN 112151924 A 20201229; CN 112151924 B 20230714; WO 2020259097 A1 20201230

DOCDB simple family (application)
EP 20833385 A 20200509; CN 201910578718 A 20190628; CN 2020089479 W 20200509