

Title (en)  
INTERFEROMETRIC LIGHTNING DETECTION SYSTEM

Title (de)  
INTERFEROMETRISCHES BLITZDETEKTIONSSYSTEM

Title (fr)  
SYSTEME DE DETECTION INTERFEROMETRIQUE DE FOUDRE

Publication  
**EP 3729111 A1 20201028 (FR)**

Application  
**EP 18839844 A 20181220**

Priority  
• FR 1762580 A 20171220  
• FR 2018053482 W 20181220

Abstract (en)  
[origin: WO2019122763A1] The invention relates to a system (1) for interferometrically detecting an electromagnetic source, characterised in that it comprises two antenna modules (5), each antenna module (5) comprising two conductive elements (2), one planar reflector (6) having a first face (6i) and a second face (6ii), the first faces (6i) of the planar reflectors (6) of the antenna modules (5) engaging respectively and rigidly with the two conductive elements (2) of the antenna modules (5), the two antenna modules (5) being mutually arranged so that the second faces (6ii) of the planar reflectors thereof form a projecting angle ( $\alpha$ ).

IPC 8 full level  
**G01R 29/08** (2006.01); **G01S 3/48** (2006.01); **H01Q 19/10** (2006.01); **H01Q 21/20** (2006.01)

CPC (source: EP US)  
**G01R 29/0842** (2013.01 - EP US); **G01S 3/48** (2013.01 - EP US); **H01Q 5/307** (2015.01 - US); **H01Q 19/108** (2013.01 - EP US); **H01Q 21/065** (2013.01 - EP); **H01Q 21/205** (2013.01 - EP)

Citation (search report)  
See references of WO 2019122763A1

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)  
**FR 3075390 A1 20190621**; **FR 3075390 B1 20200918**; CN 111788490 A 20201016; EP 3729111 A1 20201028; MA 51313 A 20210331; US 2021072338 A1 20210311; WO 2019122763 A1 20190627

DOCDB simple family (application)  
**FR 1762580 A 20171220**; CN 201880089851 A 20181220; EP 18839844 A 20181220; FR 2018053482 W 20181220; MA 51313 A 20181220; US 201816955987 A 20181220