

Title (en)

ELECTRONIC CARD WITH PRINTED CIRCUIT COMPRISING AN INTEGRATED DIFFRACTION STRUCTURE AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

ELEKTRONISCHE KARTE MIT GEDRUCKTER SCHALTUNG MIT INTEGRIERTER DIFFRAKTIONSSTRUKTUR UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

CARTE ÉLECTRONIQUE À CIRCUIT IMPRIMÉ COMPRENANT UNE STRUCTURE DE DIFFRACTION INTEGRÉE ET PROCÉDÉ DE FABRICATION DE CELLE-CI

Publication

**EP 3578018 A1 20191211 (FR)**

Application

**EP 18706787 A 20180130**

Priority

- FR 1750852 A 20170201
- FR 2018050202 W 20180130

Abstract (en)

[origin: WO2018142055A1] The electronic card with printed circuit comprises at least one diffraction structure (DS) having a cavity (15) and a diffraction plate (17). In accordance with the invention, the diffraction structure is incorporated in the thickness of the electronic card with printed circuit, the cavity being formed, by removal of material, in the thickness of the electronic card with printed circuit and the diffraction plate being formed in a plate which is arranged on the electronic card with printed circuit and closes the cavity.

IPC 8 full level

**H05K 1/02** (2006.01); **H01Q 1/00** (2006.01)

CPC (source: EP US)

**G02B 3/08** (2013.01 - EP); **G02B 5/18** (2013.01 - US); **G02B 5/1857** (2013.01 - EP); **G02B 5/1866** (2013.01 - EP); **G03H 1/0244** (2013.01 - EP); **H05K 1/0203** (2013.01 - US); **H05K 1/0274** (2013.01 - EP US); **H05K 1/183** (2013.01 - US); **G02B 5/32** (2013.01 - EP); **G03H 2260/62** (2013.01 - EP); **G03H 2260/63** (2013.01 - EP); **H05K 1/0206** (2013.01 - EP); **H05K 3/4623** (2013.01 - EP); **H05K 3/4697** (2013.01 - EP); **H05K 2201/1006** (2013.01 - EP); **H05K 2201/10106** (2013.01 - EP); **H05K 2201/10121** (2013.01 - EP US); **H05K 2203/061** (2013.01 - EP)

Citation (search report)

See references of WO 2018142055A1

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 3062546 A1 20180803**; **FR 3062546 B1 20210910**; CN 110383958 A 20191025; EP 3578018 A1 20191211; JP 2020511774 A 20200416; US 10912191 B2 20210202; US 2019373720 A1 20191205; WO 2018142055 A1 20180809

DOCDB simple family (application)

**FR 1750852 A 20170201**; CN 201880009838 A 20180130; EP 18706787 A 20180130; FR 2018050202 W 20180130; JP 2019541226 A 20180130; US 201816480303 A 20180130