

Title (en)  
DEVICES FOR REFLECTING, DEFLECTING, AND/OR ABSORBING ELECTROMAGNETIC RADIATION EMITTED FROM AN ELECTRONIC DEVICE AND METHODS THEREFOR

Title (de)  
VORRICHTUNGEN ZUR REFLEXION , ABLENKUNG UND / ODER ABSORPTION VON ELEKTROMAGNETISCHER STRAHLUNG, DIE VON EINER ELEKTRONISCHEN VORRICHTUNG EMITTIERT WIRD, UND VERFAHREN DAFÜR

Title (fr)  
DISPOSITIFS POUR RÉFLÉCHIR, DÉVIER ET/OU ABSORBER UN RAYONNEMENT ÉLECTROMAGNÉTIQUE ÉMIS PAR UN DISPOSITIF ÉLECTRONIQUE ET PROCÉDÉS ASSOCIÉS

Publication  
**EP 3688876 A4 20210630 (EN)**

Application  
**EP 18861149 A 20181001**

Priority  
• US 201715721525 A 20170929  
• US 201816125734 A 20180909  
• US 201816147399 A 20180928  
• US 2018053825 W 20181001

Abstract (en)  
[origin: WO2019068112A1] Devices used with mobile phones. Implementations may include: a metal-containing plate configured to be directly attached to a rear surface of a mobile phone where the metal-containing plate includes a coating. The metal-containing plate may be configured to deflect, absorb, or reflect electromagnetic radio frequency radiation emitted by the mobile phone away from a user of the mobile phone.

IPC 8 full level  
**H04B 1/3827** (2015.01); **H01Q 1/24** (2006.01); **H01Q 1/52** (2006.01); **H01Q 15/00** (2006.01); **H01Q 17/00** (2006.01)

CPC (source: EP IL KR)  
**H01Q 1/245** (2013.01 - EP IL KR); **H01Q 1/526** (2013.01 - EP); **H01Q 15/0013** (2013.01 - EP IL KR); **H01Q 17/001** (2013.01 - EP IL KR); **H04B 1/3827** (2013.01 - IL KR); **H04B 1/3838** (2013.01 - EP IL KR); **H04M 1/03** (2013.01 - IL KR)

Citation (search report)  
• [X] US 2014159980 A1 20140612 - FINEGOLD ERIN [US]  
• [X] US 8270929 B1 20120918 - KOEPEL RICHARD P [US], et al  
• [X] US 2016006473 A1 20160107 - LEIBOVICH AARON [AU]  
• [X] US 9263796 B1 20160216 - SANCHEZ GEORGE [US], et al  
• [X] GB 2330979 A 19990505 - RADIO DESIGN LIMITED [GB]  
• See references of WO 2019068112A1

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

DOCDB simple family (publication)  
**WO 2019068112 A1 20190404**; AU 2018342700 A1 20200514; BR 112020010287 A2 20201117; CA 3083902 A1 20190404; CN 111670544 A 20200915; EP 3688876 A1 20200805; EP 3688876 A4 20210630; IL 274379 A 20200630; JP 2021509799 A 20210401; KR 20200076694 A 20200629; MX 2020005339 A 20201014; PH 12020550505 A1 20210322; SG 11202003882Y A 20200528; ZA 202002136 B 20210526

DOCDB simple family (application)  
**US 2018053825 W 20181001**; AU 2018342700 A 20181001; BR 112020010287 A 20181001; CA 3083902 A 20181001; CN 201880075693 A 20181001; EP 18861149 A 20181001; IL 27437920 A 20200430; JP 2020546281 A 20181001; KR 20207012723 A 20181001; MX 2020005339 A 20181001; PH 12020550505 A 20200428; SG 11202003882Y A 20181001; ZA 202002136 A 20200504