



(11) **EP 3 660 981 B8**

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:  
**Corrected version no 1 (W1 B1)**  
**Corrections, see**  
**Bibliography INID code(s) 84**

(51) Int Cl.:  
**H01Q 3/26** <sup>(2006.01)</sup> **H01Q 21/29** <sup>(2006.01)</sup>

(48) Corrigendum issued on:  
**02.06.2021 Bulletin 2021/22**

(45) Date of publication and mention  
of the grant of the patent:  
**28.04.2021 Bulletin 2021/17**

(21) Application number: **18209050.6**

(22) Date of filing: **29.11.2018**

---

(54) **SPATIAL AND BANDWIDTH MULTIPLEXING DEVICE AND METHOD**

VORRICHTUNG UND VERFAHREN FÜR RÄUMLICHES UND BANDBREITEN-MULTIPLEXING  
DISPOSITIF ET PROCÉDÉ DE MULTIPLEXAGE SPATIAL ET DE BANDE PASSANTE

---

(84) Designated Contracting States:  
**AL AT BE BG CY CZ DE DK EE ES FI FR GB GR  
HR HU IS IT LT LU LV MC MK MT NL NO PL PT  
RO RS SE SI SK SM TR**

(43) Date of publication of application:  
**03.06.2020 Bulletin 2020/23**

(73) Proprietor: **Rohde & Schwarz GmbH & Co. KG**  
**81671 München (DE)**

(72) Inventor: **Feilen, Michael**  
**85635 Höhenkirchen-Siegertsbrunn (DE)**

(74) Representative: **Körfer, Thomas**  
**Mitscherlich PartmbB**  
**Patent- und Rechtsanwälte**  
**Sonnenstrasse 33**  
**80331 München (DE)**

(56) References cited:  
**US-A1- 2011 111 708 US-B1- 6 859 189**

- **UTHANSAKUL M ET AL: "Design and Performance Assessment of a Wideband Smart Antenna Employing Only Spatial Signal Processing", ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM 2006, IEEE ALBUQUERQUE, NM, USA 09-14 JULY 2006, PISCATAWAY, NJ, USA, IEEE, PISCATAWAY, NJ, USA, 9 July 2006 (2006-07-09), pages 2525-2528, XP010944407, ISBN: 978-1-4244-0123-9**

---

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

---

**EP 3 660 981 B8**