



(11) **EP 3 365 669 B8**

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:
Corrected version no 1 (W1 B1)
Corrections, see
Bibliography INID code(s) 73

(51) International Patent Classification (IPC):
G01N 29/02 (2006.01) **B06B 1/06** (2006.01)
G01N 29/24 (2006.01) **H03H 9/17** (2006.01)
H03H 9/02 (2006.01) **G10K 11/04** (2006.01)

(48) Corrigendum issued on:
13.03.2024 Bulletin 2024/11

(52) Cooperative Patent Classification (CPC):
B06B 1/0685; G01H 11/08; G01N 29/022;
G01N 29/036; G01N 29/2437; G10K 11/04;
G10K 11/24; H03H 9/02086; H03H 9/175;
G01N 2291/012; G01N 2291/014; G01N 2291/0255;
G01N 2291/0256; G01N 2291/0426

(45) Date of publication and mention
of the grant of the patent:
23.08.2023 Bulletin 2023/34

(21) Application number: **16787698.6**

(86) International application number:
PCT/US2016/057653

(22) Date of filing: **19.10.2016**

(87) International publication number:
WO 2017/070177 (27.04.2017 Gazette 2017/17)

(54) **RESONATOR STRUCTURE WITH ENHANCED REFLECTION OF SHEAR AND LONGITUDINAL MODES OF ACOUSTIC VIBRATIONS**

RESONATORSTRUKTUR MIT ERHÖHTER REFLEXION VON SCHER- UND LONGITUDINALEN MODEN AKUSTISCHER SCHWINGUNGEN

STRUCTURE DE RÉSONATEUR AVEC RÉFLEXION AMÉLIORÉE DES MODES DE CISAILLEMENT ET LONGITUDINAL DES VIBRATIONS ACOUSTIQUES

(84) Designated Contracting States:
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

• **BELSICK, John**
Bend, OR 97701 (US)

(30) Priority: **21.10.2015 US 201562244284 P**

(74) Representative: **J A Kemp LLP**
80 Turnmill Street
London EC1M 5QU (GB)

(43) Date of publication of application:
29.08.2018 Bulletin 2018/35

(56) References cited:
US-A- 4 640 756 US-A1- 2004 130 847
US-A1- 2004 140 869 US-A1- 2004 183 400
US-A1- 2008 258 845 US-A1- 2009 152 983
US-A1- 2012 062 068 US-A1- 2014 312 994

(73) Proprietor: **QORVO US, INC.**
Greensboro, NC 27409 (US)

(72) Inventors:
• **MORTON, Rick**
Bend, OR 97702 (US)

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 3 365 669 B8