

Title (en)  
VIBRATING SENSOR WITH HYBRIDISATION UNIT

Title (de)  
VIBRATIONSSENSOR MIT HYBRIDISIERUNGSEINHEIT

Title (fr)  
CAPTEUR VIBRANT AVEC UNITÉ D'HYBRIDATION

Publication  
**EP 4214467 A1 20230726 (FR)**

Application  
**EP 21777508 A 20210914**

Priority  
• FR 2009433 A 20200917  
• EP 2021075222 W 20210914

Abstract (en)  
[origin: WO2022058303A1] Inertial rotation sensor comprising a vibrating resonator (1) associated with at least two first transducers (2.1) connected to a first electronic processing unit (5) via an electronic multiplexing member (6) in order to function consecutively in motorisation mode and in detection mode and to provide a first detection signal. The vibrating resonator (1) is associated with at least two second transducers (2.2) connected, via two load amplifiers (3.1), two anti-aliasing filters (3.2) and two analogue-to-digital converters (3.3), to a second electronic processing unit (4) in order to function in detection mode and provide a second detection signal. The sensor comprises an electronic hybridisation unit (20) for forming a third detection signal from the first and second detection signals.

IPC 8 full level  
**G01C 19/5691** (2012.01); **G01C 19/5776** (2012.01)

CPC (source: EP US)  
**G01C 19/5691** (2013.01 - EP); **G01C 19/5776** (2013.01 - EP US)

Citation (search report)  
See references of WO 2022058303A1

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KH MA MD TN

DOCDB simple family (publication)  
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