

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
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CPC (source: EP US)
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