

Title (en)
FIBER-OPTIC ACCELEROMETER

Title (de)
FASEROPTISCHER BESCHLEUNIGUNGSSENSOR

Title (fr)
ACCÉLÉROMÈTRE À FIBRE OPTIQUE

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Application
EP 16766259 A 20160906

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Abstract (en)
[origin: WO2017042151A1] The invention relates to a fiber-optic accelerometer (10) comprising: - an optical fiber (11, 35, 50) having a free end, said free end being caused to oscillate under the influence of acceleration; - a light source for emitting visible, ultraviolet or infrared light into the optical fiber (11, 35, 50) at an end of the fiber (11, 35, 50) opposite the free end; - a mirror (14, 24, 45), which is arranged to reflect part of the light exiting the free end back into the optical fiber (11, 35, 50); and - a detection device for capturing reflected light at the end of the fiber (11, 35, 50) opposite the free end, the core of the optical fiber (11, 35, 50) having a Bragg grating in the free end.

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Citation (search report)
See references of WO 2017042151A1

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