

Title (en)

MECHANICAL RESONANCE, SILICON ACCELEROMETER

Title (de)

MECHANISCHER RESONANZ-BESCHLEUNIGUNGSMESSER AUS SILIZIUM

Title (fr)

ACCELEROMETRE AU SILICIUM A RESONANCE MECANIQUE

Publication

**EP 0815453 A1 19980107 (EN)**

Application

**EP 95912856 A 19950313**

Priority

US 9503011 W 19950313

Abstract (en)

[origin: WO9628735A1] A silicon accelerometer includes several silicon layers. The silicon layers form two silicon beams supported by flexure members. An acceleration responsive silicon mass is arranged to bend the flexure members in response to accelerations. The silicon beams are vibrated in vacuum chambers and gas damping is provided for the acceleration responsive mass and the flexure members. Sensing electronics detect vibration of the two silicon beams.

IPC 1-7

**G01P 15/10**

IPC 8 full level

**G01P 15/097** (2006.01); **G01P 15/10** (2006.01)

CPC (source: EP)

**G01P 15/097** (2013.01); **G01P 2015/0828** (2013.01)

Citation (search report)

See references of WO 9628735A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**WO 9628735 A1 19960919**; CA 2213245 A1 19960919; CA 2213245 C 20041102; EP 0815453 A1 19980107

DOCDB simple family (application)

**US 9503011 W 19950313**; CA 2213245 A 19950313; EP 95912856 A 19950313