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(54) Title: ADJUSTABLE RESONANCE FREQUENCY VIBRATION POWER HARVESTER

(57) Abstract: A resonance frequency vibration power harvester (20) comprises an elongate body (36), a first vibration energy harvester device (42) and a weight (46). The elongate body (36) includes a first end (54), a second end (56) and an interior channel (65) extending through at least a portion of the elongate body (36) between the first end (54) and the second end (56). The second end (56) of the elongate body is for connecting to a vibration source (18) such that the first end (54) is cantilevered. The first vibration energy harvester device (42) is attached adjacent the first end (54) of the elongate body, and the weight (46) is joined to the interior channel (65) to adjust a resonant frequency of the elongate body (36).
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ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR,
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A CLASSIFICATION OF SUBJECT MATTER

IPC(8) - H01 L 41/13 (2009.01)
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B FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) - F03G 7/08, G01H 11/08, H01L 41/00, 41/08, 41/13, H02K 35/04, H02N 2/00, 2/04, 2/18 (2009 01)
USPC - 310/319, 328, 329, 330, 332, 339

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Pat Base

C DOCUMENTS CONSIDERED TO BE RELEVANT

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<td>US 6,407,484 B1 (OLIVER et al) 18 June 2002 (18 06 2002) entire document</td>
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