

Title (en)  
FORCE-SENSING DEVICE

Title (de)  
KRAFTMESSVORRICHTUNG

Title (fr)  
DISPOSITIF DE MESURE DE FORCE

Publication  
**EP 1671090 A1 20060621 (DE)**

Application  
**EP 04790147 A 20041006**

Priority  
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Abstract (en)  
[origin: WO2005036117A1] The invention relates to a force-sensing device for measuring a force that is applied to the force introduction point of the force-sensing device from a pre-determined direction. In order to measure the force, a pair of double flexible bars are used to guide the force introduction point in a parallel manner, under the influence of the force to be measured. Furthermore, according to the invention, the force introduction site is also guided in a parallel manner, in a direction that is transversal to the direction of the force to be measured, by means of at least one other pair of parallel spiral springs.

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IPC 8 full level  
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**G01L 1/2243** (2013.01 - EP US)

Citation (search report)  
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US 4671118 A 19870609 - HATAMURA YOTARO [JP]

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