

Title (en)
FORCE-SENSING ELEMENT

Title (de)
KRAFTMESSELEMENT

Title (fr)
ELEMENT DYNAMOMETRIQUE

Publication
EP 1623199 A1 20060208 (DE)

Application
EP 04719910 A 20040312

Priority

- DE 2004000493 W 20040312
- DE 10320575 A 20030507
- DE 10333992 A 20030725

Abstract (en)
[origin: WO2004099746A1] The invention relates to a force-sensing element which senses an exerted force by means of a twin flexion bar and a travel sensor. The twin flexion bar allows for a double spring shape that allows for an optimization with respect to stress distribution.

IPC 1-7
G01L 1/22; B60N 2/00

IPC 8 full level
B60N 2/00 (2006.01); **G01L 1/00** (2006.01); **G01L 1/04** (2006.01); **G01L 1/22** (2006.01)

CPC (source: EP US)
B60N 2/002 (2013.01 - EP US); **G01L 1/005** (2013.01 - EP US); **G01L 1/044** (2013.01 - EP US); **G01L 1/2243** (2013.01 - EP US);
B60N 2210/14 (2023.08 - EP); **B60N 2210/42** (2023.08 - EP)

Designated contracting state (EPC)
DE ES FR SE

DOCDB simple family (publication)
WO 2004099746 A1 20041118; EP 1623199 A1 20060208; US 2007107531 A1 20070517; US 7437943 B2 20081021

DOCDB simple family (application)
DE 2004000493 W 20040312; EP 04719910 A 20040312; US 55593304 A 20040312