

Title (en)  
FORCE COMPONENTS SENSING APPARATUS.

Title (de)  
EINRICHTUNG ZUR MESSUNG VON KRAFTKOMPONENTEN.

Title (fr)  
APPAREIL DE DETECTION DE FORCES.

Publication  
**EP 0191097 A1 19860820 (EN)**

Application  
**EP 85904510 A 19850823**

Priority  
US 64549584 A 19840829

Abstract (en)  
[origin: WO8601597A1] Force sensing apparatus for determining the location, magnitude and direction of a force on a three dimensional surface in which there is a convex surface (10-12) of known configuration mounted on a pedestal (22). A cruciform load cell (16) equipped with strain gauges (60 - 62) measures forces applied to the convex surface through the medium of a flexible force transmitter member (64).

Abstract (fr)  
Un appareil de détection de forces permet de déterminer la localisation, la grandeur et la direction d'une force sur une surface à trois dimensions, comprenant une surface convexe (10-12) de configuration connue montée sur un socle (22). Une cellule de charge cruciforme (16) équipée d'extensomètres (60-62) mesure les forces appliquées à la surface convexe par l'intermédiaire d'un élément transmetteur de force souple (64).

IPC 1-7  
**G01L 5/16**; **G01L 5/22**; **B25J 13/00**

IPC 8 full level  
**B25J 13/02** (2006.01); **B25J 13/08** (2006.01); **B25J 17/02** (2006.01); **G01L 5/16** (2006.01); **G01L 5/22** (2006.01)

CPC (source: EP US)  
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Citation (search report)  
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