

Title (en)

Sensor device for a wheelchair wheel

Title (de)

Sensoranordnung für ein Rollstuhlrاد

Title (fr)

Dispositif de détection pour une roue de chaise roulante

Publication

EP 2277487 A3 20121003 (DE)

Application

EP 10004555 A 20100430

Priority

DE 202009009929 U 20090722

Abstract (en)

[origin: EP2277487A2] The arrangement (15) has sensors e.g. pressure sensors and force sensors, for detecting force acting on a hand rim (12), and two bendable plates arranged in parallel. A hand rim attachment part and a wheel attachment part are connected with each other by the bendable plates. A sensor head is screwed with the wheel attachment part and the hand rim attachment part. The bendable plates are connected with the sensor head and are arranged in a housing. A sensor board is connected with the sensors and is arranged in the housing. An independent claim is also included for a wheelchair wheel comprising a connection arrangement.

IPC 8 full level

A61G 5/02 (2006.01); **A61G 5/04** (2006.01)

CPC (source: EP)

A61G 5/028 (2013.01); **A61G 5/045** (2013.01); **A61G 5/048** (2016.10)

Citation (search report)

- [AD] DE 19848530 C1 20000217 - ALBER ULRICH GMBH & CO KG [DE]
- [A] DE 202008017258 U1 20090326 - ALBER ULRICH GMBH [DE]
- [A] WO 9505141 A1 19950223 - ANDERSSON THOMAS HARALD JOHANN [SE], et al

Cited by

IT202200007706A1; DE102017222036A1; EP4342439A1; DE102022124524A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA ME RS

DOCDB simple family (publication)

DE 202009009929 U1 20091015; EP 2277487 A2 20110126; EP 2277487 A3 20121003; EP 2277487 B1 20131120

DOCDB simple family (application)

DE 202009009929 U 20090722; EP 10004555 A 20100430