

Title (en)

JIB COMPRISING A METAL HOLLOW PROFILE WITH A REINFORCEMENT LAYER CONSISTING OF A FIBRE-PLASTIC COMPOSITE AND SENSOR ELEMENT

Title (de)

EIN METALLISCHES HOHLPROFIEL AUFWEISENDER AUSLEGER MIT VERSTÄRKUNGSLAGE AUS FASER-KUNSTSTOFF-VERBUND SOWIE SENSORELEMENT

Title (fr)

BRAS À PROFILÉ CREUX MÉTALLIQUE, DOTÉ D'UNE COUCHE DE RENFORCEMENT EN COMPOSITE PLASTIQUE-FIBRE ET D'UN ÉLÉMENT DE DÉTECTION

Publication

**EP 2252540 A1 20101124 (DE)**

Application

**EP 09720189 A 20090206**

Priority

- DE 2009000167 W 20090206
- DE 102008013203 A 20080308

Abstract (en)

[origin: WO2009112004A1] A jib (1) is designed to absorb loads on the end side. The jib (1) has a metal jib hollow profile (2) running along a longitudinal axis (3) of the jib, and a fibre-plastic composite reinforcing layer (7) connected at least in some sections to the jib hollow profile (2). At least one sensor element (12) is arranged in the region of the reinforcing layer (7). The sensor element (12) detects expansion in the jib (1).

IPC 8 full level

**B66C 23/64** (2006.01); **B66C 23/90** (2006.01)

CPC (source: EP US)

**B66C 23/64** (2013.01 - EP US); **B66C 23/905** (2013.01 - EP US); **Y10T 29/49826** (2015.01 - EP US)

Citation (search report)

See references of WO 2009112004A1

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 TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**DE 102008013203 A1 20090917**; EP 2252540 A1 20101124; EP 2252540 B1 20160525; US 2011068076 A1 20110324; US 8708171 B2 20140429; WO 2009112004 A1 20090917; WO 2009112004 A8 20101014

DOCDB simple family (application)

**DE 102008013203 A 20080308**; DE 2009000167 W 20090206; EP 09720189 A 20090206; US 87721110 A 20100908