

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

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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

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CPC (source: EP US)

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Citation (search report)

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