

Title (en)
LIFTING MEMBER WITH LOAD AND/OR STRESS MEASURING MEANS

Title (de)
HUBGLIED MIT LAST- UND/ODER SPANNUNGSMESSMITTELN

Title (fr)
ORGANE DE LEVAGE A MOYENS DE MESURE DE CHARGE ET/OU DE CONTRAINTES

Publication
EP 2019808 B1 20110817 (FR)

Application
EP 07734655 A 20070524

Priority
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• FR 0651916 A 20060524

Abstract (en)
[origin: FR2901548A1] The unit (1) has a proximal part (1a) fixed to a lifting apparatus and a distal part (1b) connected to a load to be lifted. A longitudinal section (1c) is developed from the proximal part in a direction of the distal part and is elastically elongated under an action of a part of lifting effort. An optical fiber stress sensor (2) having reduced diameter is inserted into a longitudinal channel (1d) of the section and is fixed to a lateral wall of the channel. A connector (3) transmits signals from the sensor to a sensor signal reception and analyzing unit (4).

IPC 8 full level
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CPC (source: EP KR US)
B66C 1/34 (2013.01 - KR); **B66C 1/40** (2013.01 - EP KR US); **B66C 1/66** (2013.01 - KR); **B66C 1/663** (2013.01 - EP US);
B66C 13/16 (2013.01 - EP KR US)

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