

ABSTRACT**LIFTING MEMBER WITH LOAD AND/OR STRESS MEASURING MEANS**

The invention concerns a lifting member (1) for transmitting all or part of the lifting force between a lifting appliance and a load to be lifted, comprising: a proximal portion (1a) configured to be fixed to the lifting appliance; a distal portion (1b) designed to be connected to the load; a longitudinal section (1c), extending from the proximal portion (1a) towards the distal portion (1b), and capable of being elastically elongated under the action of part of the lifting force; a longitudinal channel (1d) extending from the proximal portion (1) into the longitudinal section (1c) of the lifting member (1); a stress transducer (2), inserted into said longitudinal channel (1d), and fixed to the side wall of said longitudinal channel (1d), linking means (3) for transmitting optical fiber signals from the stress transducer (2) to means for receiving and analyzing (4) optical fiber signals from the stress transducer.