

Title (en)  
SUPPORTING MEANS FOR AN ELEVATOR INSTALLATION, WITH MULTIPLE SENSORS ARRANGED ALONG THE SUPPORTING MEANS

Title (de)  
TRAGMITTEL FÜR EINE AUFZUGANLAGE MIT MEHREREN ENTLANG DES TRAGMITTELS ANGEORDNETEN SENSOREN

Title (fr)  
ÉLÉMENT DE SUPPORT POUR INSTALLATION D'ASCENSEUR, COMPORTANT PLUSIEURS DÉTECTEURS DISPOSÉS LE LONG DU MOYEN DE SUPPORT

Publication  
**EP 3426587 A1 20190116 (DE)**

Application  
**EP 17707904 A 20170302**

Priority  
• EP 16159641 A 20160310  
• EP 2017054919 W 20170302

Abstract (en)  
[origin: WO2017153250A1] A supporting means (3) for an elevator installation is proposed, which supporting means has at least one elongate load-bearing element (3) and has a casing (5) surrounding the load-bearing element (3) and has a multiplicity of sensors (7). The sensors (7) are arranged on the supporting means (3) at multiple positions which are spaced apart from one another along a longitudinal direction of extent (9) of the supporting means (3). The sensors (7) are designed to determine at least one physical characteristic of the load-bearing element (3) in a region locally adjacent to the respective sensor (7) and to output a signal (11) which indicates the determined physical characteristic. For example, a sensor (7) may determine a local expansion, a local bending, a local acceleration, a locally acting force, a local temperature and/or an electrical conductivity at, in or through the supporting means (1). The state of the supporting means (1) can thereby be determined not only as an average for the entire supporting means (1) but with regard to multiple positions along the length of the supporting means (1), which can inter alia allow improved statements to be made regarding a discard criteria of the supporting means (1).

IPC 8 full level  
**B66B 7/12** (2006.01)

CPC (source: EP US)  
**B66B 7/1215** (2013.01 - EP US); **D07B 1/145** (2013.01 - EP US); **D07B 1/22** (2013.01 - EP US); **D07B 2301/259** (2013.01 - EP); **D07B 2501/2007** (2013.01 - EP US)

Citation (search report)  
See references of WO 2017153250A1

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2017153250 A1 20170914**; CA 3014710 A1 20170914; CN 108712996 A 20181026; CN 108712996 B 20200407; EP 3426587 A1 20190116; EP 3426587 B1 20220504; HK 1257064 A1 20191011; US 2019071282 A1 20190307

DOCDB simple family (application)  
**EP 2017054919 W 20170302**; CA 3014710 A 20170302; CN 201780016101 A 20170302; EP 17707904 A 20170302; HK 18116232 A 20181218; US 201716083005 A 20170302