

Title (en)

A TELESCOPIC BOOM, AND A CRANE AND A VEHICLE PROVIDED WITH THE TELESCOPIC BOOM

Title (de)

TELESKOP AUSLEGER SOWIE MIT DEM TELESKOP AUSLEGER AUSGESTATTETER KRAN UND FAHRZEUG

Title (fr)

FLÈCHE TÉLESCOPIQUE, GRUE ET VÉHICULE DOTÉ DE LA FLÈCHE TÉLESCOPIQUE

Publication

EP 3872022 A1 20210901 (EN)

Application

EP 20160030 A 20200228

Priority

EP 20160030 A 20200228

Abstract (en)

A telescopic boom (2), for a crane (4), comprising a main section (6) and at least a first telescopic boom section (8). The first telescopic boom section (8) is telescopically mounted in the main section (6) and axially movable in relation to the main section (6). The main section (6) is structured to be mounted to a crane boom (10) of said crane (4), to be articulated around a first horizontal axis A1 in relation to said crane boom (10). The telescopic boom (2) further comprises an elongated connecting arrangement (12) comprising a set of hoses for supply of hydraulic oil, said connecting arrangement (12) is routed from a first point (14) located on the inside of the main section (6), between an inner surface (16) of the main section (6) and an outer surface (18) of the first telescopic boom section (8), to a second point (20) located on the inside of the first telescopic boom section (8), by a guiding arrangement (22) provided at a first end (24) of the first telescopic boom section (8). The guiding arrangement (22) comprises a first roller member (26) and a second roller member (28), and is mounted such that said first roller member (26) is arranged in relation to a first side (30) of the first end (24) of the first telescopic boom section (8), and said second roller member (28) is arranged in relation to a second side (32), opposite to the first side (30), of the first end (24) of the first telescopic boom section (8), and wherein said first and the second roller members are mounted to have their axes A2 of rotation parallel to each other and essentially perpendicular to said first horizontal axis A1 to guide the connecting arrangement (12) from/to between said inner surface (16) of the main section (6) and said outer surface (18) of the first telescopic boom section (8) to/from the inside of the first telescopic boom section (8).

IPC 8 full level

B66C 13/14 (2006.01); **B66C 23/68** (2006.01); **B66C 23/70** (2006.01)

CPC (source: EP)

B66C 13/14 (2013.01); **B66C 23/705** (2013.01)

Citation (applicant)

- EP 0239302 B1 19921202
- EP 2135836 A1 20091223 - EPSILON KRAN GMBH [AT]

Citation (search report)

- [AD] EP 0239302 B1 19921202
- [A] US 4193505 A 19800318 - ELIASSON HANS [SE], et al
- [A] US 6199707 B1 20010313 - SUZUKI TAKUO [JP], et al
- [A] DE 102015100439 B3 20151224 - HAEUSLER THOMAS [DE]
- [AD] EP 2135836 A1 20091223 - EPSILON KRAN GMBH [AT]

Cited by

WO2024041000A1

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)

EP 3872022 A1 20210901

DOCDB simple family (application)

EP 20160030 A 20200228