

Title (en)
TELESCOPIC ARM

Title (de)
TELESKOPISCHER ARM

Title (fr)
BRAS TÉLESCOPIQUE

Publication
EP 4186850 B1 20240515 (EN)

Application
EP 21210093 A 20211124

Priority
EP 21210093 A 20211124

Abstract (en)

[origin: EP4186850A1] A telescopic arm (2) for a crane (4) with a winch device (6) provided with a wire (8), the telescopic arm (2) comprising a telescopic boom assembly (10) arranged to hold a pulley device (12) for the wire (8) at a tip of the telescopic boom assembly (10), an adaptor (14) comprising a first end (16) pivotally connected to the telescopic boom assembly (10) at a boom assembly pivot axle (18) and a second end (20) structured to be mounted to a crane boom (22) of the crane, and a wire guide arranged between the winch device (6) and the pulley device (12). The wire being guided by the wire guide in the region of the boom assembly pivot axle (18). The wire guide further comprises a first wire guiding pulley (24) with a first wire guiding wheel (26) arranged to rotate around a first pulley axle (28). The first end (16) of the adaptor (14) comprises a first part (30) and a second part (32) pivotally connected to the boom assembly pivot axle (18), wherein the first part (30) and second part (32) being symmetrically arranged on either side of a common plane, with a gap in between the first part (30) and the second part (32) forming a cavity (34) in the adaptor (14) arranged to be intersected by the common plane. The first wire guiding wheel (26) is arranged in the gap between the first part (30) and the second part (32) and the boom assembly pivot axle (18) is arranged as the first pulley axle (28) around which the first wire guiding wheel (26) is arranged to rotate. The wire guide further comprises a second wire guiding pulley (36) with a second wire guiding wheel (38) arranged to rotate around a second pulley axle (40) in the common plane. The first pulley axle (28) and the second pulley axle (40) are positioned in relation to each other such that the wire (8) routed by the wire guide passes outside said cavity (34) and between said first and second wire guiding wheels (26, 38).

IPC 8 full level
B66C 23/70 (2006.01); **B66C 23/00** (2006.01)

CPC (source: EP)
B66C 23/54 (2013.01); **B66C 23/702** (2013.01)

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

DOCDB simple family (publication)
EP 4186850 A1 20230531; EP 4186850 B1 20240515; EP 4186850 C0 20240515

DOCDB simple family (application)
EP 21210093 A 20211124