

Title (en)

OUTRIGGER EXTEND-RETRACT SYSTEM CAPABLE OF HORIZONTALLY EXTENDING WITH THREE SEGMENTS

Title (de)

HORIZONTAL AUSFAHRBARES AUSLEGEREINZIEHSYSTEM MIT DREI ABSCHNITTEN

Title (fr)

SYSTÈME DE STABILISATEUR D'EXTENSION-RÉTRACTION CAPABLE DE S'ÉTENDRE HORIZONTALEMENT AVEC TROIS SEGMENTS

Publication

**EP 4001199 B1 20230531 (EN)**

Application

**EP 21156523 A 20210211**

Priority

TR 202018355 A 20201117

Abstract (en)

[origin: EP4001199A1] The present invention relates to an outrigger extend-retract system with compact structure capable of horizontally extending with three segments (11, 12, 13) that enables the outriggers to be extended and shortened used in telescopic boom or knuckle boom cranes. Furthermore, the system comprises two pulleys (70, 120), an organized chain (100), a hydraulic line (80), a piston sleeve (20) and an electric line (90) which moves within the organized chain with the hydraulic line and provides electrical connections of the outrigger.

IPC 8 full level

**B66C 23/80** (2006.01)

CPC (source: EP)

**B66C 23/80** (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 4001199 A1 20220525; EP 4001199 B1 20230531**; DK 4001199 T3 20230626; ES 2947740 T3 20230817; PL 4001199 T3 20230731; TR 202018355 A2 20210121

DOCDB simple family (application)

**EP 21156523 A 20210211**; DK 21156523 T 20210211; ES 21156523 T 20210211; PL 21156523 T 20210211; TR 202018355 A 20201117