

Title (en)
Locking head

Title (de)
Verriegelungskopf

Title (fr)
Tête de verrouillage

Publication
EP 2392537 B1 20121219 (DE)

Application
EP 11153791 A 20110209

Priority
DE 102010022867 A 20100607

Abstract (en)
[origin: EP2392537A1] The head (1) has cylinder locking bars (3, 4) translationally displaceable in a housing (2) and locking the head with a telescope section of a crane boom. The bars have toothed bar sections (16, 17), which are in tooth-engagement with pinions (14, 15). The pinions stay in common tooth-engagement with tooth sections (12, 13) of a toothed ring (6). The toothed ring surrounds a cylinder retainer (7) for retaining a telescopic cylinder. The ring includes a drive tooth section (8), which engages with a tooth bar section (9) of a translationally displaceable drive bolt (10).

IPC 8 full level
B66C 23/70 (2006.01)

CPC (source: EP)
B66C 23/708 (2013.01)

Cited by
CN104340883A; US10457529B2; WO2017189439A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ 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 2392537 A1 20111207; EP 2392537 B1 20121219; DE 102010022867 A1 20111208; DE 102010022867 B4 20120329;
ES 2401492 T3 20130422

DOCDB simple family (application)
EP 11153791 A 20110209; DE 102010022867 A 20100607; ES 11153791 T 20110209