

Title (en)

Self-erecting crane with telescopic and foldable tower

Title (de)

Selbstaufstellender Kran mit teleskopierbarem und zusammenklappbarem Turm

Title (fr)

Grue à montage automatisé à tour télescopique et repliable

Publication

EP 1213253 B1 20050330 (EN)

Application

EP 01204746 A 20011207

Priority

IT MI20002661 A 20001211

Abstract (en)

[origin: EP1213253A1] A tower crane with a self-assembling structure and a foldable and extractable tower having portions (14,15) hinged together at horizontal hinges (12,13), wherein a load arm (17) consists of at least one hinged portion (at 13), the tower (14,15) being hinged at a lower end to a bearing structure (10) with a rotation thrust block (19), at least one third portion (16) slotted into and capable of being extracted from one of the hinged portions (14,15) of tower, wherein the third top portion (16) has a smaller section with respect to the portion of tower (15) in which it slides through the collaboration of guide rollers (26,27) arranged both on the portion of tower (15) and on at least one top part (16), with an actuator (30) arranged to act between a support (42) arranged integral inside said hinged portion of tower (15) and a beam (41) integral with a lower end of said top portion (16). <IMAGE>

IPC 1-7

B66C 23/34

IPC 8 full level

B66C 23/34 (2006.01); **B66C 23/70** (2006.01)

CPC (source: EP)

B66C 23/342 (2013.01); **B66C 23/707** (2013.01)

Cited by

CN104030173A; US6955025B2; WO2023070257A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1213253 A1 20020612; **EP 1213253 B1 20050330**; AT E292085 T1 20050415; DE 60109716 D1 20050504; IT 1319372 B1 20031010; IT MI20002661 A1 20020611

DOCDB simple family (application)

EP 01204746 A 20011207; AT 01204746 T 20011207; DE 60109716 T 20011207; IT MI20002661 A 20001211