

Title (en)
Foldable crane

Title (de)
Klappbarer Kran

Title (fr)
Grue repliable

Publication
EP 1770050 A1 20070404 (DE)

Application
EP 05021285 A 20050929

Priority
EP 05021285 A 20050929

Abstract (en)
The crane has a crane support, and a hinge arm system (3) having a hub arm (4) and a break arm (5) connected with the arm (4). A hub cylinder is operated between the support and the hub arm, and a break cylinder (7) is operated between the arms. The hub arm has an accommodation section for the break arm in an area of articulation of the hub arm with the break arm, where the distance between the rotary axis of the articulation and a guiding point (11) of the break cylinder at the hub arm is larger than the distance between the axis of the articulation and guiding point (12) at the break arm.

IPC 8 full level
B66C 23/68 (2006.01)

CPC (source: EP)
B66C 23/54 (2013.01); **B66C 23/545** (2013.01); **B66C 23/68** (2013.01)

Citation (search report)
• [XY] US 3032206 A 19620501 - MCINTYRE SR SIDNEY S
• [X] WO 9403389 A1 19940217 - HIAB AB [SE], et al
• [X] US 3024920 A 19620313 - ERIK SUNDIN ANDERS
• [Y] FR 2331511 A1 19770610 - BRUN JEAN LOUIS [FR]
• [A] DE 3431604 A1 19850314 - FISKARS AB OY [FI]

Cited by
EP2789566A1; US11731863B2; EP3248928A1; CN102431910A; CN106315422A; RU2752106C1; US11554940B2; CN102358581A; EP3842374A1; FR3105200A1; US2022073322A1; WO2009031131A3; WO2019009818A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1770050 A1 20070404; **EP 1770050 B1 20091223**; AT E452853 T1 20100115; DE 502005008754 D1 20100204; DK 1770050 T3 20100315; ES 2337262 T3 20100422; SI 1770050 T1 20100430

DOCDB simple family (application)
EP 05021285 A 20050929; AT 05021285 T 20050929; DE 502005008754 T 20050929; DK 05021285 T 20050929; ES 05021285 T 20050929; SI 200530943 T 20050929