

Title (en)  
FOLDABLE CRANE

Title (de)  
ZUSAMMENLEGBARER KRAN

Title (fr)  
GRUE PLIABLE

Publication  
**EP 3532424 B1 20211215 (EN)**

Application  
**EP 17829057 A 20170925**

Priority  
• SI 201600266 A 20161025  
• SI 2017000028 W 20170925

Abstract (en)  
[origin: WO2018080403A1] The object of the invention is a foldable crane that includes a rotatable column (12), to which a lift arm (1) is pivotally mounted through an attachment point (13), an articulated arm (2), in which a telescopic arm (11) can be arranged, wherein the lift arm (1) and the articulated arm (3) are pivotally connected with each other in known ways via attachment point (3), a piston hydraulic cylinder (4) that operates between the lift arm (1) and the articulated arm (2), and a set of levers consisting of a first lever element (5) that has two ends (5a, 5b) and a second lever element (6) that has two ends (6a, 6b). The first lever element (5) and the second lever element (6) are pivotally connected to each other through their first ends (5a) and (6a) in known ways via attachment point (9). The piston hydraulic cylinder (4) is connected to the attachment point (9) with its end (4b), while it is pivotally connected with its end (4a) in known ways with the lift arm (1) via attachment point (7). The first lever element (5) is connected with its end (5b) in known ways with the lift arm (1) via attachment point (8). The second lever element (6) is connected with its end (6b) in known ways with the articulated arm (2) via attachment point (10).

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

CPC (source: EP)  
**B66C 23/545** (2013.01); **B66C 23/705** (2013.01)

Citation (examination)  
• EP 2248753 B1 20160706 - EPSILON KRAN GMBH [AT]  
• EP 2683645 B1 20140604 - PALFINGER AG [AT]  
• EP 2789566 B1 20190710 - HMF GROUP AS [DK]

Cited by  
US11731863B2

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)  
**WO 2018080403 A1 20180503**; EP 3532424 A1 20190904; EP 3532424 B1 20211215; ES 2905851 T3 20220412; HR P20220306 T1 20220513; PL 3532424 T3 20220328; PT 3532424 T 20220303; RS 63016 B1 20220429; SI 25285 A 20180430; SI 25285 B 20221028

DOCDB simple family (application)  
**SI 2017000028 W 20170925**; EP 17829057 A 20170925; ES 17829057 T 20170925; HR P20220306 T 20170925; PL 17829057 T 20170925; PT 17829057 T 20170925; RS P20220253 A 20170925; SI 201600266 A 20161025