

Title (en)  
A CRANE FOR LIFTING A LOAD

Title (de)  
LASTHEBEKRAN

Title (fr)  
GRUE POUR SOULEVER UNE CHARGE

Publication  
**EP 2542495 B1 20210217 (EN)**

Application  
**EP 11716649 A 20110228**

Priority  
• IT BO20100120 A 20100301  
• IB 2011050850 W 20110228

Abstract (en)  
[origin: WO2011107929A2] A crane for lifting a load is applicable to a vehicle, in particular a motor vehicle or truck and comprises an extensible arm which is articulated at a respective end (3') to a pivoting arm and which can be lifted and lowered relative to the latter. The extensible arm (3) comprises a member (31) which is articulated to the pivoting arm from which extend a plurality of sliding members (40, 33, 34, 35, 36, 37, 38, 39), terminating with an end sliding member (40). The members (31, 40, 33, 34, 35, 36, 37, 38, 39) of the extensible arm (3) are coaxially inserted inside one another and are telescopically movable relative to each other between a respective retracted position and a respective extended position under the action of corresponding telescopic drive means (4). The telescopic drive means (4) comprise a first and a second actuator which are located inside respective members (31, 40, 33, 34, 35, 36, 37, 38, 39) of the extensible arm (3).

IPC 8 full level  
**B66C 23/70** (2006.01); **B66C 23/693** (2006.01); **B66C 23/697** (2006.01)

CPC (source: EP)  
**B66C 23/705** (2013.01); **B66C 23/707** (2013.01); **B66C 23/708** (2013.01)

Citation (examination)  
JP H11301976 A 19991102 - TADANO LTD

Citation (opposition)  
Opponent : Palfinger AG  
• EP 1321426 A1 20030625 - DEMAG MOBILE CRANES GMBH & CO [DE]  
• JP 2004210517 A 20040729 - TADANO LTD  
• US 3770138 A 19731106 - CHALUPSKY P, et al  
• JP 2004323207 A 20041118 - TADANO LTD  
• JP 2009084054 A 20090423 - KOBELCO CRANES CO LTD  
• JP H11301976 A 19991102 - TADANO LTD  
• STOSCHKA M.: "Stetiges Teleskopieren eines Kranauslegers unter Last", DISSERTATION, 18 May 2005 (2005-05-18), pages 1 - 275, XP055865178  
• STOSCHKA M., KESSIER F., EICHSEDER W.: "Antriebskonzept für mehrteilige, teleskopierbare Ausleger", KRANFACHTAGUNG: KRANE-EINSATZERFAHRUNGEN UND ENTWICKLUNGSTENDENZEN, 31 March 2006 (2006-03-31), pages 41 - 62, XP055865188  
• STOSCHKA M.: "Alternativer Zweizylinderantrieb - Einsatz in Teleskopauslegern", HEBEZEUGE UND FÖRDERMITTEL, vol. 46, no. 10, 1 January 2006 (2006-01-01), pages 502 - 504, XP055865194

Cited by  
CN110255399A; EP4019453A4; EP4019454A4

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 2011107929 A2 20110909; WO 2011107929 A3 20120301**; EP 2542495 A2 20130109; EP 2542495 B1 20210217;  
IT BO20100120 A1 20110902

DOCDB simple family (application)  
**IB 2011050850 W 20110228**; EP 11716649 A 20110228; IT BO20100120 A 20100301