

Title (en)

Driving system of the opening/closing sequence of multiple-member telescopic stabilisers in a self-propelled machine

Title (de)

Système d'entraînement de la séquence d'ouverture et fermeture de stabilisateurs télescopiques à éléments multiples d'une machine automobile

Title (fr)

Antriebssystem eines Öffnungs-/Schliessvorganges einer teleskopischen, mehrteiligen Stütze einer selbstfahrenden Kraftmaschine

Publication

EP 1719675 A1 20061108 (EN)

Application

EP 05425282 A 20050503

Priority

EP 05425282 A 20050503

Abstract (en)

A driving system of the opening/closing sequence of telescopic stabiliser beams comprising multiple mobile members in a self-propelled machine, and in particular in a concrete pump. During the extension movement of the telescopic beam, the different members (A,B,C) of the same are caused to become temporarily mutually fixed, except one only thereof at a time, sequentially starting from the largest intermediate member (B) down to the terminal resting member (C) and viceversa during the retraction movement, thanks to a mechanical structure comprising a double cam hook (3) idly pivoted about a vertical wall of each intermediate member (B) and projecting from the two sides of said wall; and a guide and/or grip elements (1,2,7) projecting from the neighbouring corresponding walls of the other members, on which said hooks (3), are apt to slide and/or engage to cause said members to become mutually fixed. Actuation of the telescopic beam can therefore be performed also with a single cylinder/piston assembly, in any case keeping the desired extraction/retraction sequence of the beam members.

IPC 8 full level

B60S 9/12 (2006.01); **B66C 23/80** (2006.01)

CPC (source: EP)

B66C 23/78 (2013.01)

Citation (applicant)

JP S51151922 A 19761227 - TADANO TEKKOSHO KK

Citation (search report)

- [X] DE 4446931 A1 19960711 - RIEDL REINHOLD DIPL ING [DE]
- [A] WO 9829287 A1 19980709 - RIEDL REINHOLD [DE]
- [X] PATENT ABSTRACTS OF JAPAN vol. 001, no. 043 (M - 017) 26 April 1977 (1977-04-26)

Cited by

CN103466478A; WO2013037205A1

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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

EP 1719675 A1 20061108; EP 1719675 B1 20151118

DOCDB simple family (application)

EP 05425282 A 20050503