

Title (en)

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

Title (de)

Systeme d'entrainement de la séquence d'ouverture et fermeture de stabilisateurs télescopiques a éléments multiples d'une machine automobile

Title (fr)

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

Publication

EP 1719675 B1 20151118 (EN)

Application

EP 05425282 A 20050503

Priority

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Abstract (en)

[origin: EP1719675A1] 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

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CPC (source: EP)

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Cited by

CN103466478A; WO2013037205A1

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