

Title (en)
Telescopic device with reduced buckling length of the telescopic cylinder.

Title (de)
Teleskopiersystem mit verringerter Knicklänge des Teleskopierzylinders.

Title (fr)
Dispositif télescopique à longueur de flambage du vérin diminuée.

Publication
EP 0476225 B1 19940727 (DE)

Application
EP 91106245 A 19910418

Priority
DE 9013210 U 19900918

Abstract (en)
[origin: EP0476225A2] After locking bolt connections are released, the individual telescoping sections of a telescopic jib of a crane are extended and retracted with only one single-stage hydraulic piston-cylinder unit and are bolted in the respectively extended or retracted position. One end of the piston-cylinder unit is linked to the jib link piece terminating the inner end of the outer section, and the part of the piston-cylinder unit which is movable relative to the linked part is provided with a hydraulically operable driving device which can be coupled to receptacles of the telescoping sections. So that the telescopic cylinder is stressed with only a smaller buckling length, the piston rod (12) of the piston-cylinder unit (7) is linked to the jib link piece (8). The driving device (19) is arranged in the end area of the cylinder (18) from which the piston rod (12) emerges. <IMAGE>

IPC 1-7
B66C 23/693

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

CPC (source: EP)
B66C 23/705 (2013.01)

Cited by
US9085443B2; EP0754646A1; CN104010961A; DE19926131B4; US6474486B1; CN103613007A; EP1153875A1; CN103527558A; EP0661234A1; US5628416A; CN110902582A; US5632395A; AT403041B; CN103171983A; US9701521B2; EP4357292A1; US6601719B2; US8215503B2; EP0943580A3; EP3424868A4; WO2009056122A1; US6520359B2; EP2210853B1

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