

Title (en)  
BOOM OF A LOADING CRANE

Title (de)  
LADEKRAN-AUSLEGER

Title (fr)  
FLÈCHE D'UNE GRUE DE CHARGEMENT

Publication  
**EP 2683645 B1 20140604 (DE)**

Application  
**EP 12712877 A 20120309**

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• AT 1332011 U 20110310  
• AT 2012000056 W 20120309

Abstract (en)  
[origin: WO2012119169A1] The invention relates to a hydraulically actuatable jib (100) for a loading crane (101), comprising: - at least two jib extensions (1, 2), the first jib extension being designed as an outer jib extension (1) and the second jib extension being designed as an inner jib extension (2), - at least two feed cylinders (11, 21) for extending and retracting the at least two jib extensions (1, 2), - a hydraulic circuit for a working fluid (5), particularly oil, and which comprises a retraction line (6) for retracting the feed cylinders (11, 21) in a pressurised manner, said retraction line (6) opening into the feed cylinder (11) of the outer jib extension (1), - a tank for releasing said working fluid (5), and - a control valve (22) that can be switched into an open position when the outer jib extension (1) reaches a defined retraction position, particularly when the outer jib extension (1) is substantially fully retracted, said valve thereby supplying the feed cylinder (21) of the inner jib extension (2) with pressurised working fluid (5). The working fluid (5) of the retraction line (6), between the tank and the opening (12) at the feed cylinder (11) of the outer jib extension (1), does not come into contact with the feed cylinder (21) of the inner jib extension (2) in any position of said feed cylinder (21) of the inner jib extension (2) until the retraction position of the outer jib extension (1) has been reached.

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