

Title (en)
TELESCOPIC BOOM

Title (de)
TELESKOPIERBARER AUSLEGER

Title (fr)
FLECHE TELESCOPIQUE

Publication
EP 0702661 A1 19960327 (DE)

Application
EP 94920945 A 19940616

Priority
• DE 9308993 U 19930616
• EP 9401965 W 19940616

Abstract (en)
[origin: WO9429212A1] The invention pertains to a telescopic boom with at least one outer structure (14) and at least one inner structure (16), each of which is designed as a hollow section with upper flange (1) and lower flange (2), the upper flange (1) having a half-basket profile with two rounded edges (Ri, Ra) to which the lower flange (2) is joined with a liner of an essentially U-shaped profile, and each structure being mounted on the adjoining structure with a front and a back bearing (3, 4). To achieve a stable bearing of the structures and a great usable extension length with this boom under high force level, the invention proposes that the front bearing (3) has a slide element (10) in the area between the lower flanges (2) only in the region of the curve, and the back bearing (4) has a separate plain bearing half liner (12) in the area between the upper flanges (1) only in the region of each rounded corner (Ri, Ra).

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B66C 23/70

IPC 8 full level
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CPC (source: EP)
B66C 23/701 (2013.01); **B66C 23/707** (2013.01)

Citation (search report)
See references of WO 9429212A1

Cited by
EP2184251A1; EP1604943A4

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DE FR GB

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DE 9308993 U1 19930812; CN 1127497 A 19960724; DE 59404835 D1 19980129; EP 0702661 A1 19960327; EP 0702661 B1 19971217; JP 2828779 B2 19981125; JP H09501384 A 19970210; WO 9429212 A1 19941222

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