

Title (en)
TELESCOPIC BOOM

Title (de)
TELESKOPPAUSLEGER

Title (fr)
FLÈCHE TÉLESCOPIQUE

Publication
EP 4151584 A1 20230322 (EN)

Application
EP 21821923 A 20210607

Priority
• JP 2020099619 A 20200608
• JP 2021021572 W 20210607

Abstract (en)
[Problem] To provide a lightweight and high-rigidity telescopic boom in which strain during manufacturing is suppressed.[Solution] In a telescopic boom 13, a plurality of booms forms a telescope structure, and the telescopic boom 13 includes a boom fixing mechanism 15 that fixes a top boom 21 disposed relatively inside at a predetermined position with respect to a first intermediate boom 22 disposed relatively outside. The boom fixing mechanism 15 includes a boom fixing pin 26 that is provided to the top boom 21 and advances and retreats with respect to the first intermediate boom 22, a fixing boss 32 that is provided to the first intermediate boom 22 and into which the boom fixing pin 26 is inserted and extracted, and a gap maintaining member 90 that is provided to the fixing boss 32 and protrudes outward to maintain a gap between the first intermediate boom 22 and a second intermediate boom 23 disposed further outside.

IPC 8 full level
B66C 23/687 (2006.01); **B66C 23/693** (2006.01)

CPC (source: EP)
B66C 23/707 (2013.01); **B66C 23/708** (2013.01)

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4151584 A1 20230322; **EP 4151584 A4 20240529**; CN 115515887 A 20221223; JP 2021193055 A 20211223

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EP 21821923 A 20210607; CN 202180033214 A 20210607; JP 2021095041 A 20210607