

Title (en)
LIFTING DEVICE AND METHOD OF MANUFACTURE OF LIFTING DEVICE

Title (de)
HEBEVORRICHTUNG SOWIE VERFAHREN ZUM HERSTELLEN EINER HEBEVORRICHTUNG

Title (fr)
DISPOSITIF DE LEVAGE ET PROCÉDÉ DE FABRICATION DU DISPOSITIF DE LEVAGE

Publication
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Application
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Abstract (en)
[origin: WO2020192838A1] A lifting apparatus (1, 14, 18, 28, 31, 36, 46, 50) has three booms (2, 19) of variable length, which each have a first end portion (4, 20) and a second end portion (5, 21) at the opposite end from the first end portion (4, 20). While the first end portions (4, 20) of all the booms (2, 19) are connected together in an articulated manner, the second end portions (5, 21) are mounted in respective bearings (7, 24, 29) in an articulated and rotatable manner. In this case, the bearings (7, 24, 29) are arranged in fixed positions relative to one another. Furthermore, in each boom (2, 19), at least the first end portion (4, 20) is rotatable about the longitudinal axis of the boom (2, 19) with respect to the second end portion (5, 21). In particular, the booms (2, 19) always form a tripod, which is distinguished by a high level of stability. The lifting apparatus (1, 14, 18, 28, 31, 36, 46, 50) is therefore suitable for lifting very heavy loads, wherein greater ranges are achievable compared with known lifting apparatuses. In addition, the lifting apparatus (1, 14, 18, 28, 31, 36, 46, 50) is pivotable further than known lifting apparatuses.

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