

Title (en)

CONCRETE-PUMP BOOM-ARM SEGMENT HAVING A VARIABLE SHEET-METAL THICKNESS IN THE LONGITUDINAL DIRECTION, AND METHOD FOR PRODUCING SUCH A CONCRETE-PUMP BOOM-ARM SEGMENT

Title (de)

BETONPUMPEN-MASTARM-SEGMENT MIT IN LÄNGSRICHTUNG VARIABLER BLECHSTÄRKE UND VERFAHREN ZUM HERSTELLEN EINES SOLCHEN BETONPUMPE-MASTARM-SEGMENTS

Title (fr)

SEGMENT DE BRAS DE FLÈCHE DE POMPE À BÉTON AYANT UNE ÉPAISSEUR DE TÔLE VARIABLE DANS LA DIRECTION LONGITUDINALE ET PROCÉDÉ DE FABRICATION D'UN TEL SEGMENT DE BRAS DE FLÈCHE DE POMPE À BÉTON

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Application

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Abstract (en)

[origin: WO2019121632A1] The invention relates to a concrete-pump boom-arm segment having an upper chord (33), a lower chord (34) and two lateral parts (35, 36) which connect the upper chord (33) and the lower chord (34). The boom-arm segment comprises a longitudinal connection (44) between two subregions (41, 42) of the boom-arm segment which adjoin one another in the longitudinal direction, wherein the longitudinal connection (44) extends over a chord portion (56, 66) and over a lateral part portion (53, 63). The lateral part portion (53, 63) is bent over with respect to the chord portion (56, 66) in the first subregion (41) and in the second subregion (42). The material thickness of the chord portion (56) is greater in the first subregion (41) than the material thickness of the chord portion (66) in the second subregion (42). The invention additionally relates to a method for producing such a boom-arm segment. Such a boom-arm segment is well suited for absorbing static and dynamic loads and can be produced in a cost-effective manner.

IPC 8 full level

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Citation (search report)

See references of WO 2019121632A1

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