

Title (en)

APPARATUS FOR PROTECTIVELY HOLDING AN ELONGATED OBJECT DURING BENDING AND STRETCHING OF THE ELONGATED OBJECT

Title (de)

VORRICHTUNG ZUM SCHÜTZENDEN HALTEN EINES LÄNGLICHEN OBJEKTS WÄHREND DES BIEGENS UND STRECKENS DES LÄNGLICHEN GEGENSTANDS

Title (fr)

APPAREIL DE MAINTIEN ET PROTECTION D'UN OBJET ALLONGÉ PENDANT LA FLEXION ET L'ÉTIREMENT DUDIT OBJET ALLONGÉ

Publication

EP 3332885 A1 20180613 (EN)

Application

EP 16202527 A 20161206

Priority

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Abstract (en)

An apparatus is provided for protectively hold an elongated object during bending and stretching of the elongated object. The apparatus includes a shell, sleds and roller sets. The shell includes a wall, support portions longitudinally extending on an internal face of the wall, and grooves separated from one another by the support portions. Each of the sleds is inserted in a corresponding one of the grooves. Each of the roller sets includes rollers attached to a corresponding one of the sleds. Each of the rollers includes a tread. The treads together provide an axial tunnel. A surface of the elongated object is in contact with the concave treads of the rollers when the elongated object is rolled in the axial tunnel during bending or stretching of the elongated object.

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

TW 353988 U 19990301 - ASIAN PACIFIC ALLOY IND CO LTD [TW]

Citation (search report)

- [I] DE 29809163 U1 19981001 - BLANKE RUDOLF [DE]
- [A] US 2014150512 A1 20140605 - MURPHY MATTHEW [GB]
- [A] WO 2006100012 A2 20060928 - THYSENKRUPP STEEL AG [DE], et al

Designated contracting state (EPC)

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Designated extension state (EPC)

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