

Title (en)
APPARATUS AND METHOD FOR PRE-FORMING A METAL STRIP FOR THE MANUFACTURE OF ROLL FORMED AND WELDED TUBES

Title (de)
VORRICHTUNG UND VERFAHREN ZUR VORFORMUNG EINES METALLBANDES ZUR HERSTELLUNG VON WALZGEFORMTEN UND GESCHWEISSTEN ROHREN

Title (fr)
APPAREIL ET PROCÉDÉ DE PRÉFORMAGE DE BANDE MÉTALLIQUE POUR LA FABRICATION DE TUBES FORMÉS PAR ROULEAUX ET SOUDÉS

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Application
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Abstract (en)
[origin: WO2021254884A2] An apparatus and method for pre-forming a metal strip (40) for the manufacture of roll formed and welded tubes, comprising an embossing tool (20) and a strip edge chamfering tool (30) wherein the embossing tool comprises an embossing roll (1) having a cylindrical surface (2) with a central embossing portion (3, 3'), and the strip edge chamfering tool comprises an edge chamfering roll (31) comprising a recessed central section (34) and side sections (35) on each side of the central section, and an anvil roll (32), wherein the edge chamfering roll (31) and the anvil roll (32) are configured to receive and pass the metal strip in a clearance (33) formed between the rolls, wherein the clearance (33) has a reduced height in the side sections, which are located in a position where the longitudinal side edges of the metal strip will pass, so that the longitudinal side edges on each side of the metal strip, and on the embossed side of the metal strip become chamfered when being passed between the pair of rolls (31, 32).

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