

Title (en)
A METHOD AND APPARATUS FOR BENDING A CORRUGATED SHEET

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EP 0146352 A3 19860625 (EN)

Application
EP 84308696 A 19841213

Priority
SE 8306988 A 19831216

Abstract (en)
[origin: EP0146352A2] A method of and apparatus for bending a corrugated sheet transversely of the direction of corrugation, the corrugated sheet being of the type having a plurality of parallel ridges and troughs formed by ridge tops (17) connected to ridge bottoms (18) by intermediate side walls (19 and 20). The apparatus comprises a first tool (11) in the form of a pressure bar formed along the length thereof with alternating projections (16A) and notches (16B) and a second tool (10) in the form of an elongate member (12) carrying a plurality of projections (13), a channel (14) being provided in each projection (13) to receive the first tool (11) in use of the apparatus. In use of the apparatus, a corrugated sheet is pressed between the first and second tools so that each projection (13) of the second tool (10) enters a respective valley between two ridge tops (17) of the corrugated sheet and the first tool (11) enters the channels (14) of the projections (13) to form a fold (22) extending transversely of the corrugations and into the valleys of the corrugated sheet. The trough bottom (18) of each corrugation is brought into contact with the base of the respective notch (16B) during the pressing operation and at the same time the side walls (19 and 20) of the respective valley contact the edges of the notch (16B) whereby the portions (19A and 20A) of the side walls between the point of contact with the notch edge and the trough bottom (18) are moved away from the valley (21) and the portions (19B and 20B) of the side walls between the point of contact and the ridge top are moved into the valley.

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• [X] GB 2101507 A 19830119 - CAPCILL FABRICATION COMPANY LI [GB]
• [XP] EP 0103340 A2 19840321 - DUPRAL BV [NL]
• [AD] BE 855785 A 19771017 - KORSTRASK MEK G NASLUND
• [A] WO 8000932 A1 19800515 - GROKO MASKIN AB [SE], et al
• [A] EP 0049313 A2 19820414 - VAW VER ALUMINIUM WERKE AG [DE]
• [A] AU 504467 B2 19791018 - JURY HAROLD REX, et al

Cited by
US5823253A; CN102641927A

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