

Title (en)

METHOD AND APPARATUS FOR FLATTENING CORRUGATED HEAT EXCHANGER PLATES.

Title (de)

VERFAHREN UND VORRICHTUNG ZUM PLÄTTEN GEWELLTER BLECHE VON WÄRMEAUSTAUSCHERN.

Title (fr)

PROCEDE ET APPAREIL D'APLATISSEMENT DE PLAQUES ONDULEES D'UN ECHANGEUR DE CHALEUR.

Publication

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Application

EP 80901245 A 19800128

Priority

US 8000082 W 19800128

Abstract (en)

[origin: WO8102121A1] Method and apparatus (32) for crushing a portion of a corrugated sheet (10) in an area (20), (22) extending transversely to the corrugations in the sheet without blocking the passages (14) between the crowns (12) of the uncrushed portions of the corrugated sheet (10). In accordance with the method, spacing members (58-66 and 78-88) are inserted into each of the passages (14) on either side of a ridge (12) to be crushed, and the ridge (12) between the spacing members (58-66 and 78-88) is crushed before the spacing members (58-66 and 78-88) are withdrawn. The apparatus for crushing the sheet (10) includes opposed die members (34, 36), each having a plurality of blades (58-66 and 78-88) spaced by slots (68-76 and 90-98). The slots (68-76 and 90-98) in each die member (34, 36) progressively decrease in depth and are positioned to receive the blades (58-66 and 78-88) of the opposed die member. A control circuit (46) causes the die members (34, 36) to engage each time a passage (14) in the corrugated sheet (10) is aligned with a blade (58-66 and 78-88) in a die member (34, 36).

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Citation (search report)

- GB 853720 A 19601109 - WILMOT BREEDEN LTD
- US 2988033 A 19610613 - HENRY GAPP WILLIAM
- FR 391479 A 19081102 - THOMSON HOUSTON ATELIERS [FR]
- FR 2318398 A1 19770211 - MUTERS AB CARL [SE]
- CH 95866 A 19220816 - BBC BROWN BOVERI & CIE [CH]
- GB 713776 A 19540818 - ROVER CO LTD

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