

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

**EP 0046750 A4 19820706 (EN)**

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ridge (12) between the spacing members (58-66 and 78-88) is crushed before the spacing members (58-66 and 78-88) are withdrawn.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).

IPC 1-7

**B21D 53/04**

IPC 8 full level

**B21D 13/02** (2006.01); **B21D 53/02** (2006.01); **B21D 53/04** (2006.01)

CPC (source: EP)

**B21D 13/02** (2013.01); **B21D 22/027** (2013.01); **B21D 53/02** (2013.01)

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 - MUNTERS AB CARL [SE]
- CH 95866 A 19220816 - BBC BROWN BOVERI & CIE [CH]
- GB 713776 A 19540818 - ROVER CO LTD

Designated contracting state (EPC)

DE GB SE

DOCDB simple family (publication)

**WO 8102121 A1 19810806**; CA 1148339 A 19830621; DE 3068482 D1 19840816; EP 0046750 A1 19820310; EP 0046750 A4 19820706; EP 0046750 B1 19840711; JP H0217256 B2 19900419; JP S57500004 A 19820107

DOCDB simple family (application)

**US 8000082 W 19800128**; CA 358989 A 19800822; DE 3068482 T 19800128; EP 80901245 A 19800128; JP 50146680 A 19800128