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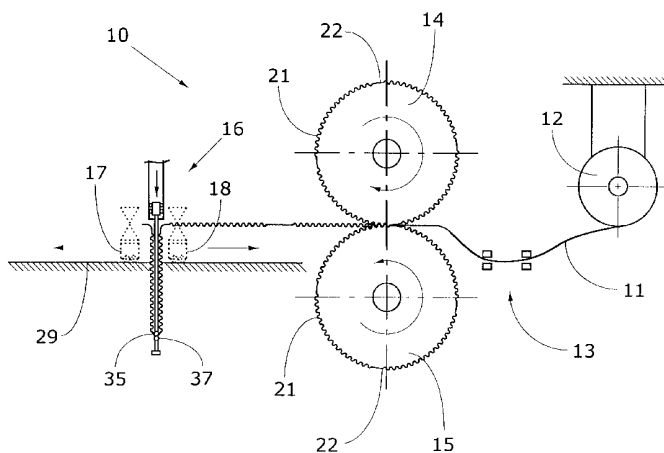
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(54) Title: HIGH THERMAL EFFICIENCY HEAT EXCHANGER, PARTIALLY CORRUGATED SHEET METAL FOR HEAT EXCHANGERS, PLANT AND PROCEDURE FOR OBTAINING SAID PARTIALLY CORRUGATED SHEET METAL



(57) Abstract: A procedure for obtaining partially corrugated sheet metal (11) comprises the following work phases: provision of a roll of sheet metal (11) to feed a respective means of unrolling and transferring said sheet metal (11); compression of said sheet (11) in such a way as to produce a series of transverse corrugations alternating with flat sections on the sheet (11); transfer of said sheet (11) towards a press brake (16) to fold the sheet, parallel to the axis of the corrugations, in correspondence of the central portion of each flat section, and in the opposite direction with respect to the fold of the previous flat section in such a way as to obtain a coil of sheet metal (11) with corrugations on adjacent sides; extraction of the corrugated sheet (11) from the press brake (16) and shearing of said sheet (11) into pre-established lengths. Through such procedure it is possible to manufacture an improved air-air plate-type heat exchanger.

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INTERNATIONAL SEARCH REPORT

International Application No

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 B21D13/04 B21D13/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 B21D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 34 16 840 A (AGURA ETS) 7 November 1985 (1985-11-07)	5-7
Y	the whole document	1-4
Y	DE 32 26 024 A (EISENMANN KG MASCHINENBAU GES) 12 January 1984 (1984-01-12) the whole document	1-4
X	WO 95 30867 A (HEED BJOERN) 16 November 1995 (1995-11-16) the whole document	1
A	EP 0 775 540 A (FORD MOTOR CO) 28 May 1997 (1997-05-28)	

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Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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