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[Continued on next page]

(54) Title: CORRUGATED HEAT EXCHANGER FIN

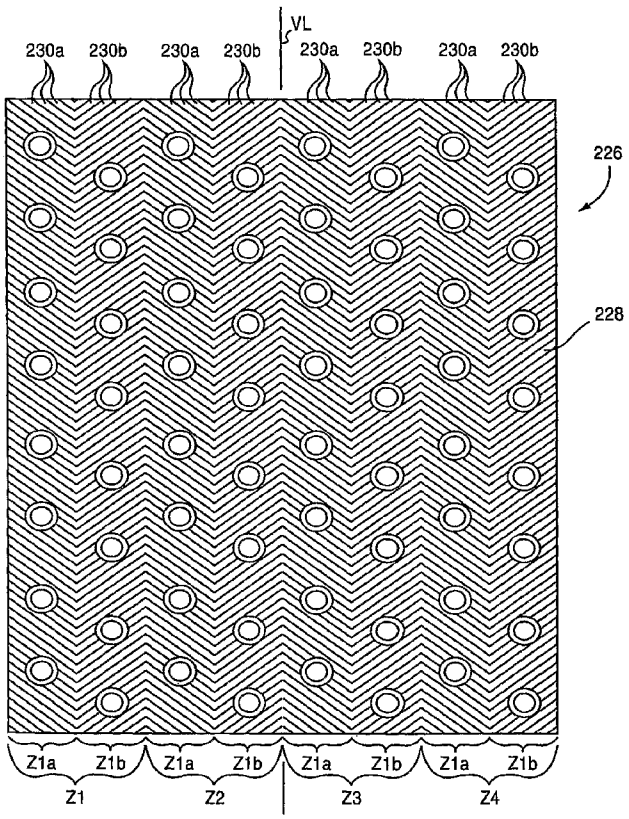

FIG.12

(57) Abstract: A high-frequency, low-amplitude corrugated fin for a heat exchanger assembly includes a plate member that extends horizontally and vertically to define a reference plane. The plate member has a plurality of conduit portions, a first and second series of corrugated segments formed in the plate member. The first and second series of corrugated segments undulate generally equidistantly relative to and from the reference plane as viewed in cross-section. The plurality of conduit portions is inter-dispersed throughout the plate member among the first and second series of corrugated segments. Each one of the first series of corrugated segments extends at a first angle relative to horizontal and each one of the second series of corrugated segments extend at a second angle relative to horizontal such that individual adjacent ones of the first and second series of corrugated segments form at least a generally chevron-shaped configuration as viewed in plan view.

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A. CLASSIFICATION OF SUBJECT MATTER
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USPC: 165/151,DIG.504
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 165/151, 182, DIG.504

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
EAST search for corrugated/corrugate plate fin

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3,515,207 A (LU) 2 June 1970 (02.06.1070), Figs. 1 & 2, column 3 of the specification.	1-3, 6-8, 11
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Y		4, 5, 9, 10
Y	US 6,889,759 B2 (DEROSIER) 10 May 2005 (10.05.2005), Fig. 8, column 10 lines 8-24, column 8 lines 15-60.	4, 5, 9, 10

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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