Title (en)

HEAT EXCHANGER, ESPECIALLY CONDENSER FOR AIR CONDITIONING

Title (de)

WÄRMETAUSCHER, INSBESONDERE KONDENSATOR FÜR KLIMAANLAGE

Title (fr)

ECHANGEUR DE CHALEUR, EN PARTICULIER CONDENSEUR DE CLIMATISATION

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Application

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Priority

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Abstract (en)

[origin: WO2010108992A1] The invention relates to a heat exchanger (10), including: a bundle (12) consisting of an alternating stack of flat tubes (14) for the flow of a first fluid (F1) and disruptors (16) for the flow of a second fluid (F2) between the tubes; an inlet collecting box (18) and an outlet collecting box (20) which are connected to two ends of the bundle, respectively, for the intake and discharge of the first fluid (F1), said collecting boxes (18, 20) each consisting of a stack of end plates (22) having a bottom (24) provided with a substantially U-shaped peripheral edge (26) such that the end plates (22) can be sealingly assembled two-by-two by means of the engagement of the respective peripheral edges (26) thereof while each time defining a chamber for the insertion of a tube end, the bottom (24) of each end plate (22) having an opening (30) for the communication between chambers; and a casing (32) surrounding the bundle. The invention can be used in air-conditioning condensers.

IPC 8 full level

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