

Title (en)
STACKED PLATE HEAT EXCHANGER

Title (de)
PLATTENWÄRMEÜBERTRAGER IN STAPELBAUWEISE

Title (fr)
ECHANGEUR DE CHALEUR A PLAQUES EMPILEES

Publication
EP 1554534 B1 20080423 (DE)

Application
EP 03750472 A 20030901

Priority
• DE 10247264 A 20021010
• EP 0309675 W 20030901

Abstract (en)
[origin: WO2004036134A1] A plate heat exchanger comprising a plurality of plates (12,13) which are stacked against each other and which are of a first and second type in order to form flow channels for a first and second medium. The plates form a heat exchanger block (2) with an upper side and a lower side and with two opposite side surfaces (10) and front faces (9). The first flow channels are peripherally sealed for the first medium and are fluidically connected to distributor and collector channels which are arranged in a vertical position with respect to the plate plane and which lead into inlet and outlet connection pieces (6,7) which are respectively arranged on the upper side and/or lower side (3,11). The second flow channels are open at the front surfaces (9) thereof and are sealed at the side surfaces (10) thereof. The open sides (9) form an inlet and outlet plane for the second medium.

IPC 8 full level
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WO 2004036134 A1 20040429; AT E393367 T1 20080515; AU 2003270133 A1 20040504; BR 0315180 A 20050823; CN 100501294 C 20090617; CN 1688856 A 20051026; DE 10247264 A1 20040429; DE 50309707 D1 20080605; EP 1554534 A1 20050720; EP 1554534 B1 20080423; ES 2305487 T3 20081101; US 2006011333 A1 20060119; US 7237604 B2 20070703

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