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(54) **Title:** HEAT EXCHANGER

(57) **Abstract:** A heat exchanger comprises a plurality of cells formed by a stack of alternate planar flow-guide plates (1) and heat transfer plates (2), each heat transfer plate having at least three apertures (3, 4, 6) therethrough, each aperture defining a part of a respective one of at least three fluid flow paths in the heat exchanger. Each flow-guide plate has apertures therethrough corresponding to at least two of the flow paths and a larger aperture (5, 7, 8) therethrough configured to guide fluid in the remaining flow path across the face of the heat transfer plates between which the flow-guide plate is located, each successive flow-guide plate in the stack forming part of a different flow path from the preceding one in the stack.



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