

Title (en)
HEAT-EXCHANGER

Publication
EP 0396131 A3 19910710 (DE)

Application
EP 90108360 A 19900503

Priority
DE 3914774 A 19890505

Abstract (en)
[origin: JPH0351695A] PURPOSE: To simply assemble a heat exchanger with each member and each thin sheet laboratory dish, by connecting mutually complementary thin sheet dishes, and forming two assembly pipes and a matrix composed of a plurality of side small pipe layers communicating with the assembly pipe. CONSTITUTION: A thin sheet laboratory dish 1 is formed mainly into a frame shape, and has two holes 2a, 2b for forming an assembly tube in the centers of opposing longer side surfaces. Many parallelly disposed longitudinal slits are crossed by a connection bridge 3 in a predetermined distance. Hereby, a longitudinal stripe 5 is formed to form a side wall of a side surface small tube up to a longer side surface of the frame from the holes 2a, 2b. There is formed a recessed groove in the thin sheet dish 1 at the position of the longitudinal stripe 5 for forming the side surface small tube having a substantially elliptic cross section. Thus, a heat exchanger is simply assembled from each member and each thin sheet dish.

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F28D 9/00

IPC 8 full level
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Citation (search report)
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EP 0396131 A2 19901107; EP 0396131 A3 19910710; EP 0396131 B1 19930929; DE 3914774 A1 19901108; DE 3914774 C2 19921203; DE 59002877 D1 19931104; JP H0351695 A 19910306; US 5086837 A 19920211

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