

Title (en)
HEAT EXCHANGER

Publication
EP 0216831 B1 19881123 (EN)

Application
EP 86901823 A 19860306

Priority
DK 102085 A 19850306

Abstract (en)
[origin: WO8605262A1] A heat exchanger (1), which is particularly intended for use in the exchange of heat between materials that are to be employed in a process for biogas production, and materials that have been employed in such a process, has two helical passages (2, 3) formed by two plate strips (4, 5), which are welded to a core (6) and a cylindrical casing (7), and which both have approximately the same angle of pitch theta . In order to avoid deposition and clogging, good flow conditions must be ensured. To obtain this, the inlet pipe stubs (8) and the outlet pipe stubs (9) of the heat exchanger are connected with the helical passages (2, 3) substantially without change of the cross-sectional area through the pipe stubs (8, 9) and the helical passages (2, 3).

IPC 1-7
F28D 7/00; **F28F 9/00**

IPC 8 full level
F28D 7/02 (2006.01)

CPC (source: EP)
F28D 7/022 (2013.01)

Cited by
US7576088B2; US6900227B2

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
WO 8605262 A1 19860912; DE 3661295 D1 19881229; DK 102085 A 19860907; DK 102085 D0 19850306; EP 0216831 A1 19870408; EP 0216831 B1 19881123

DOCDB simple family (application)
DK 8600019 W 19860306; DE 3661295 T 19860306; DK 102085 A 19850306; EP 86901823 A 19860306