

Title (en)
Air heat exchanger

Title (de)
Luftwärmetauscher

Title (fr)
Échangeur de chaleur à air

Publication
EP 1715272 A1 20061025 (DE)

Application
EP 06007702 A 20060412

Priority
DE 102005018050 A 20050419

Abstract (en)
The exchanger (20) has flexible surface heat exchanger units (10) that are connected among each other by bars (14) and are variably implemented in form, size and heat exchanger performance. The bars are made of a flexible, bendable material. The heat exchanger units are connected with heat transferring bodies in plate and/or rib shape. The heat transferring bodies serve as supports or bar spacers for the heat exchanger units. An independent claim is also included for a method of manufacturing an air heat exchanger.

IPC 8 full level
F28C 3/00 (2006.01); **F28D 9/00** (2006.01); **H05B 6/00** (2006.01)

CPC (source: EP US)
F24H 3/0405 (2013.01 - EP US); **F28F 3/00** (2013.01 - EP); **H05B 3/16** (2013.01 - EP US); **F28D 2021/0021** (2013.01 - EP); **F28F 2255/02** (2013.01 - EP)

Citation (search report)

- [X] GB 919996 A 19630227 - CURT FREDRIK ROSENBLAD
- [X] US 4075091 A 19780221 - BELLHOUSE BRIAN JOHN
- [X] FR 2334932 A1 19770708 - USSI CONST USINES SEPARATION I [FR]
- [X] WO 9104451 A1 19910404 - ZEILON STEN [SE]
- [X] PATENT ABSTRACTS OF JAPAN vol. 014, no. 393 (M - 1015) 24 August 1990 (1990-08-24)

Designated contracting state (EPC)
DE FR GB IT

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1715272 A1 20061025; CA 2543382 A1 20061019; DE 102005018050 A1 20061026; US 2006237180 A1 20061026

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