

Title (en)  
HEAT EXCHANGER

Title (de)  
WÄRMETAUSCHER

Title (fr)  
ECHANGEUR DE CHALEUR

Publication  
**EP 1800079 A1 20070627 (DE)**

Application  
**EP 05794759 A 20050922**

Priority  
• DE 2005001675 W 20050922  
• DE 102004046587 A 20040923

Abstract (en)  
[origin: WO2006032258A1] The invention relates to a heat exchanger provided with channels (3.1, 3.2) which are separated by separating walls, and which are cross-flown in an alternating manner to the counter flow by one or the other flow mediums (W, K). Said heat exchanger is formed by a spiral-shaped, wound, sheet-like material (1). The windings (2.1, 2.2,...) of the spiral form the separating walls between the channels (3.1, 3.2,...). The channels (3.1, 3.2,...) are also separated from each other by separating webs (4.1, 4.2,...) which are arranged between adjacent windings (2.1, 2.2,...).

IPC 8 full level  
**F28D 9/04** (2006.01); **F28F 3/04** (2006.01)

CPC (source: EP US)  
**F28D 9/04** (2013.01 - EP US); **F28F 3/04** (2013.01 - EP US); **F28F 2240/00** (2013.01 - EP US)

Citation (search report)  
See references of WO 2006032258A1

Citation (examination)  
• US 6233824 B1 20010522 - DOBBS GREGORY M [US], et al  
• FR 2429403 A1 19800118 - BARRIQUAND [FR]

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2006032258 A1 20060330; WO 2006032258 B1 20061116**; DE 102004046587 A1 20060406; DE 102004046587 B4 20070222; DE 112005002917 A5 20070830; EP 1800079 A1 20070627; US 2008257534 A1 20081023

DOCDB simple family (application)  
**DE 2005001675 W 20050922**; DE 102004046587 A 20040923; DE 112005002917 T 20050922; EP 05794759 A 20050922; US 57590705 A 20050922