

Title (en)  
Evaporator

Title (de)  
Verdampfer

Title (fr)  
Evaporateur

Publication  
**EP 1455154 A2 20040908 (EN)**

Application  
**EP 04004978 A 20040303**

Priority  
JP 2003057354 A 20030304

Abstract (en)  
An evaporator (10) has at least one core (10A,10B). The core (10A,10B) has tubes (15) and a pair of tanks (13). The tube (15) is configured to internally pass coolant, each of the tubes (15) formed by bending a plate material and joining both edges of the bent plate material to each other. The pair of header tanks (13) is connected to and communicating with each open end of the tubes (15). In the most windward core (10A), the jointed edge (21) of the tubes (15) is arranged on the windward side. <IMAGE>

IPC 1-7  
**F28D 1/03**; **F28D 1/053**; **F28F 3/02**

IPC 8 full level  
**B60H 1/32** (2006.01); **F28D 1/03** (2006.01); **F28D 1/053** (2006.01); **F28F 1/02** (2006.01); **F28F 3/02** (2006.01)

CPC (source: EP US)  
**F28D 1/0391** (2013.01 - EP US); **F28F 3/025** (2013.01 - EP US); **F28D 2021/0085** (2013.01 - EP US)

Cited by  
FR2991035A1; EP3819576A1; US9927182B2; WO2013174730A1

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

DOCDB simple family (publication)  
**EP 1455154 A2 20040908**; JP 2004263997 A 20040924; US 2004206481 A1 20041021

DOCDB simple family (application)  
**EP 04004978 A 20040303**; JP 2003057354 A 20030304; US 79308204 A 20040304