

Title (en)

Heat exchanger with a bracket

Title (de)

Wärmeübertrager mit einem Halter

Title (fr)

Échangeur de chaleur avec un support

Publication

EP 1439364 B1 20071212 (DE)

Application

EP 03290129 A 20030117

Priority

EP 03290129 A 20030117

Abstract (en)

[origin: EP1439364A1] The holder fixes additional parts to pipe (19) that has parallel faces (19a,19b) and sides (21). The holder has two clip connectors with two clamping elements (1,10), which can be locked with each other and which accommodate the pipe. The holder is formed from plastic.

IPC 8 full level

F28F 9/00 (2006.01)

CPC (source: EP US)

F28F 9/002 (2013.01 - EP US); **F28F 2255/143** (2013.01 - EP US); **F28F 2275/085** (2013.01 - EP US); **Y10T 24/44** (2015.01 - EP US); **Y10T 24/44017** (2015.01 - EP US)

Cited by

EP1887305A1; KR100731204B1; EP2189746A1; US7383692B2; WO2005015109A1

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 PT SE SI SK TR

DOCDB simple family (publication)

EP 1439364 A1 20040721; **EP 1439364 B1 20071212**; AT E380993 T1 20071215; AU 2003294710 A1 20040813; BR 0317189 A 20051101; BR 0317189 B1 20140415; CN 100437012 C 20081126; CN 1732367 A 20060208; DE 50308783 D1 20080124; ES 2300548 T3 20080616; US 2006053598 A1 20060316; US 2010270006 A1 20101028; US 7766286 B2 20100803; US 8282049 B2 20121009; WO 2004065880 A1 20040805

DOCDB simple family (application)

EP 03290129 A 20030117; AT 03290129 T 20030117; AU 2003294710 A 20031114; BR 0317189 A 20031114; CN 200380107690 A 20031114; DE 50308783 T 20030117; EP 0312765 W 20031114; ES 03290129 T 20030117; US 54234605 A 20050714; US 83285310 A 20100708