

Title (en)

A plate-type heat exchanger control device assembly and related heat exchanger.

Title (de)

Steuereinrichtung für Plattenwärmetauscher und entsprechender Wärmetauscher.

Title (fr)

Dispositif de contrôle pour échangeur de chaleur à plaques et échangeur de chaleur correspondant.

Publication

EP 0614061 A1 19940907 (EN)

Application

EP 93203712 A 19931228

Priority

IT MI930427 A 19930305

Abstract (en)

A plate-type heat exchanger/control device assembly (1,21) and associated exchanger (1) for a heating system boiler of the combined type, comprising an exchanger provided with a closing plate (2) with a primary water inlet fitting (16) offset from corresponding plate openings (13) of the exchanger and at a predetermined spacing from a second sanitary water inlet fitting (7), attached to the closing plate (2) and a straight or three way switch valve (21) with hydraulic actuator coupled directly to the exchanger (1) by means of said fittings (7,16), with no elbow pipe connections therebetween, the spacing accommodation function being performed by the closing plate (2) with minimal bulk and simplified and reliable assembling. <IMAGE>

IPC 1-7

F28D 9/00; **F28F 27/00**; **F24D 3/08**

IPC 8 full level

F24D 3/08 (2006.01); **F28D 9/00** (2006.01); **F28F 27/02** (2006.01)

CPC (source: EP)

F24D 3/087 (2013.01); **F28D 9/005** (2013.01); **F28F 27/02** (2013.01)

Citation (search report)

- [A] GB 2234337 A 19910130 - MADIGAN TERENCE GERARD, et al
- [A] US 5042577 A 19910827 - SUZUMURA KEIJI [JP]
- [A] GB 2213242 A 19890809 - GIANNONI SRL [IT]

Cited by

US5950715A; FR2967248A1; EP1026467A3; FR2790073A1; DE102004004975B4; US10876794B2; WO02075219A1; DE102022202732A1; WO9700415A1; WO0050832A1; FR2803025A1; US7748442B2; JP2013543101A; WO9604499A1; WO2012062714A1

Designated contracting state (EPC)

BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0614061 A1 19940907; **EP 0614061 B1 19980128**; DE 69316734 D1 19980305; DE 69316734 T2 19980520; ES 2088835 T1 19961001; ES 2088835 T3 19980501; IT 1271978 B 19970610; IT MI930427 A0 19930305; IT MI930427 A1 19940905

DOCDB simple family (application)

EP 93203712 A 19931228; DE 69316734 T 19931228; ES 93203712 T 19931228; IT MI930427 A 19930305