

Title (en)
Improvements relating to heating apparatus

Title (de)
Heizgerät

Title (fr)
Appareil de chauffage

Publication
EP 0989372 A3 20000419 (EN)

Application
EP 99115641 A 19990807

Priority
GB 9820673 A 19980924

Abstract (en)
[origin: EP0989372A2] The invention provides a heat exchange system wherein primary fluid (heated water) is circulated by means of a pump (34) through a heat exchanger (33) through which secondary fluid (water to be heated) is also circulated, and including sensing means (42, 47) for controlling the rate of heat supplied to the heat exchanger (33) via the primary fluid, characterised in that the sensing means (42, 47) comprises a temperature sensor means (42, 47) which is arranged to sense the rate of change of temperature of the primary and/or secondary fluid issuing from the heat exchanger (33). Preferably, there are two temperature sensors (42, 47) which respectively sense the rate of change of temperature of the secondary water and primary water such that in use, when a pre set rate of change of temperature in the secondary water is detected (showing that the secondary water is flowing), the pump (34) is switched on for the supply of hot primary water, and the rate of change of temperature of the primary water is used to control the pump (34) to control the temperature of the secondary water.

IPC 1-7
F24D 19/10

IPC 8 full level
F24D 19/10 (2006.01); **F24D 11/00** (2006.01)

CPC (source: EP US)
F24D 19/1066 (2013.01 - EP US); **F24D 11/00** (2013.01 - EP)

Citation (search report)
[X] EP 0807790 A2 19971119 - SOLVIS SOLARSYSTEME GMBH [DE], et al

Cited by
GB2493222A; CN104930576A; GB2531117A; GB2531117B

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0989372 A2 20000329; EP 0989372 A3 20000419; GB 9820673 D0 19981118

DOCDB simple family (application)
EP 99115641 A 19990807; GB 9820673 A 19980924