

Title (en)
Mixed heating installation

Title (de)
Heizeinrichtung zur kombinierten Heiz- und Brauchwassererwärmung

Title (fr)
Installation de chauffage mixte

Publication
EP 1239236 A3 20040310 (DE)

Application
EP 01130360 A 20011220

Priority
DE 10110527 A 20010305

Abstract (en)
[origin: EP1239236A2] A heating unit for heating and warming water, comprises a storage vessel for heat storing fluid (14), a boiler which dips into the storage vessel and which contains a burner (18) for producing combustion gases, and a primary heat exchanger (20) for warming water using the gases. A further heat exchanger is used to warm the heat storage fluid. A warm water heat exchanger is used to warm usable water by heat removal from the storage fluid.

IPC 1-7
F24H 1/52; **F24H 7/04**

IPC 8 full level
F24H 1/52 (2006.01); **F24H 7/04** (2006.01)

CPC (source: EP)
F24H 1/52 (2013.01); **F24H 7/0466** (2013.01)

Citation (search report)
• [A] CH 194702 A 19371231 - MUELLER JAKOB [CH]
• [A] US 4226195 A 19801007 - LINDROOS MARTII K
• [A] US 4170199 A 19791009 - METIVIER ROGER M [US], et al
• [A] DE 1579857 A1 19700827 - DELLA CROCE MICHEL
• [A] GB 1446090 A 19760811 - SAUNIER DUVAL

Cited by
AT500603A1; AT500603B1; US7415944B2

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

DOCDB simple family (publication)
EP 1239236 A2 20020911; **EP 1239236 A3 20040310**; **EP 1239236 B1 20060809**; **EP 1239236 B8 20061004**; AT E335969 T1 20060915;
DE 10110527 A1 20020912; DE 50110693 D1 20060921

DOCDB simple family (application)
EP 01130360 A 20011220; AT 01130360 T 20011220; DE 10110527 A 20010305; DE 50110693 T 20011220