

Title (en)  
EXTERNAL GAS-FIRED WATER/GLYCOL HEATER

Title (de)  
GASBEHEIZTER WASSER/GLYKOLERHITZER FÜR AUSSENGEBRAUCH

Title (fr)  
APPAREIL DE CHAUFFAGE D'EAU/GLYCOL ALIMENTE AU GAZ, PLACE A L'EXTERIEUR

Publication  
**EP 1058804 B1 20021113 (EN)**

Application  
**EP 98905178 A 19980224**

Priority  
CA 9800155 W 19980224

Abstract (en)  
[origin: WO9943993A1] An external gas-fired heater for heating a water/glycol fluid is comprised of a housing (11) having a combustion chamber therein. The chamber has a coil (17) through which the water/glycol fluid is circulated and heated by a cylindrical gas burner (22) disposed inside the coil (17) with the coil spaced thereabout. The housing (11) is adapted for mounting outside a building to which the heated fluid is convected for heat exchange with heating devices contained within the building. A cover (13) is removably secured to the housing (11) for access to the internal heater devices and is equipped to convect air within the housing (11) for the air-gas mixing blower (23). Quick connect couplings (39) permit the housing to be easily removed and replaced, if necessary. The cover (13) also provides ease of access to the heater devices for servicing or replacement.

IPC 1-7  
**F24H 1/43**; **F24H 9/14**; **F24H 9/02**

IPC 8 full level  
**F24H 1/43** (2006.01); **F24H 9/02** (2006.01); **F24H 9/14** (2006.01)

CPC (source: EP)  
**F24H 1/43** (2013.01); **F24H 9/02** (2013.01); **F24H 9/14** (2013.01); **F24H 9/142** (2013.01); **F24H 9/148** (2013.01)

Cited by  
CN109579280A; EP3418647A1

Designated contracting state (EPC)  
ES GR IT PT

DOCDB simple family (publication)  
**WO 9943993 A1 19990902**; AU 6085498 A 19990915; EP 1058804 A1 20001213; EP 1058804 B1 20021113; TR 200002540 T2 20010122

DOCDB simple family (application)  
**CA 9800155 W 19980224**; AU 6085498 A 19980224; EP 98905178 A 19980224; TR 200002540 T 19980224