

Title (en)  
Heating device with a heat-recovery system.

Title (de)  
Heizeinrichtung mit Wärmerекuperator.

Title (fr)  
Appareil de chauffage comportant un récupérateur de chaleur.

Publication  
**EP 0040557 A1 19811125 (FR)**

Application  
**EP 81400641 A 19810423**

Priority  
FR 8011742 A 19800521

Abstract (en)  
[origin: ES8204132A1] A heating apparatus includes at least one combustion air inlet, a reverse-draft hearth having a grill positioned within a hearth plate, an ash receptacle for recovering combustion wastes, a fume outlet, a combustion chamber positioned under the reverse-draft hearth, and a heat recovery device. A heat transport and exchange fluid is adapted to be fed through the heat recovery device, and it circulates through the device in order to recover heat generated in the hearth. The heat recovery device also includes at least one casing positioned beneath the hearth, over the ash receptacle, and which is spaced from the walls of the heating apparatus. The rear portion of the casing is connected to the hearth plate so as to block combustion gases so that the combustion gases will pass over and thereafter under the casing prior to leaving the apparatus via the fume outlet.

Abstract (fr)  
L'appareil de chauffage selon l'invention comportant au moins une arrivée d'air comburant, un foyer à grille (25), un cendrier (26) de récupération des déchets de combustion, une évacuation des fumées (21), se caractérise essentiellement par l'association d'une chambre de combustion (20) placée sous le foyer à tirage inversé avec un récupérateur de chaleur (4).

IPC 1-7  
**F24B 5/04; F24B 7/04**

IPC 8 full level  
**F24B 1/188** (2006.01); **F24B 5/04** (2006.01); **F24B 7/04** (2006.01)

CPC (source: EP US)  
**F24B 1/1886** (2013.01 - EP US); **F24B 5/04** (2013.01 - EP US); **F24B 7/04** (2013.01 - EP US); **Y10S 165/901** (2013.01 - EP US)

Citation (search report)  
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• FR 2314443 A1 19770107 - SELF CLIMAT [FR]  
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• FR 1016208 A 19521105 - MORVAN ETS

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