

Title (en)  
HEAT RECOVERY SYSTEM.

Title (de)  
SYSTEM ZUR RÜCKGEWINNUNG VON WÄRME.

Title (fr)  
SYSTEME DE RECUPERATION DE CHALEUR.

Publication  
**EP 0035994 A4 19820712 (EN)**

Application  
**EP 80901047 A 19810323**

Priority  
US 7402079 A 19790910

Abstract (en)  
[origin: WO8100760A1] Apparatus for heat recovery from stacks and chimneys, using a heat exchanger scroll (2) mounted at the apex of such stacks, which consists of paired plates, spaced by deformed portions (21, 22) to define channels for flow of a liquid to be heated. A jacket (3) surrounds the scroll (2) is closed by a dome (5) having a filler cap (6). The scroll (2) is connected to the dome (5) by piping and a dome outlet (8) connected to a pump which circulates the heated water to a heating system by supply lines (11) or to other areas returning the liquid to the scroll (2) by return line (12). Sensible heat as well as latent heat of moisture in the fuels together with vapor produced as a combustion product can be scrubbed out. The use is to effect economies and to reduce environmental contamination wherever fuels are fired.

IPC 1-7  
**F28D 7/10**

IPC 8 full level  
**F28D 9/04** (2006.01); **F28D 21/00** (2006.01)

CPC (source: EP)  
**F28D 9/04** (2013.01); **F28D 21/0007** (2013.01)

Citation (search report)

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US2015226490A1; US9696093B2

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