

Title (en)  
Central heating apparatus.

Title (de)  
Zentralheizungsgerät.

Title (fr)  
Appareil de chauffage central.

Publication  
**EP 0035801 A1 19810916 (FR)**

Application  
**EP 81200084 A 19810123**

Priority  
CH 187780 A 19800311

Abstract (en)  
[origin: US4380430A] This central heating apparatus for oil burner and boiler systems comprises a detachable structure disposed in the boiler furnace between the burner and the boiler; the structure comprises essentially a base frame supporting a vertical upright rigidly welded thereto and to which an assembly of stacked elements are secured by means of a common and single belt substantially aligned with the burner; this assembly comprises a pyramidal front member facing the burner, followed by a fan-like assembly of radial blades and, bearing against the upright, a perforated plate of which the holes are so punched that their material forms protruding fins directed towards the burner flame and adapted to become white hot in order to improve the combustion and eliminate soot deposits and the release of excess smoke.

Abstract (fr)  
Un appareil de chauffage central comporte une chaudière et un brûleur à mazout avec, interposée entre le brûleur et la paroi lui faisant face, une structure (3) perméable à la flamme et destinée à être portée à incandescence pour améliorer la combustion et de ce fait diminuer les fumées et dépôts de suie dans le foyer. Cette structure (3) est constituée d'un assemblage de pièces de tôle (11) dont au moins l'une est perforée de telle manière que la matière du trou n'est pas enlevée, mais repoussée en forme de bavures (22) proéminentes dirigées vers le brûleur et qui constituent des points portés rapidement à très haute température.

IPC 1-7  
**F24H 9/18; F23M 9/06**

IPC 8 full level  
**F23M 9/06** (2006.01); **F24H 9/18** (2006.01)

CPC (source: EP US)  
**F23M 9/06** (2013.01 - EP US); **F24H 9/1836** (2013.01 - EP US)

Citation (search report)  
CH 606907 A5 19781115 - VUISSOZ DE PREUX CONSTANT

Designated contracting state (EPC)  
AT BE DE FR GB IT LU NL SE

DOCDB simple family (publication)  
**EP 0035801 A1 19810916; EP 0035801 B1 19830706**; AT E4069 T1 19830715; CA 1154374 A 19830927; CH 633874 A5 19821231; DE 3160539 D1 19830811; DK 38481 A 19810912; FI 810225 L 19810912; NO 153070 B 19850930; NO 153070 C 19860108; NO 810210 L 19810914; US 4380430 A 19830419

DOCDB simple family (application)  
**EP 81200084 A 19810123**; AT 81200084 T 19810123; CA 372690 A 19810310; CH 187780 A 19800311; DE 3160539 T 19810123; DK 38481 A 19810128; FI 810225 A 19810127; NO 810210 A 19810122; US 24152681 A 19810309