

Title (en)  
Capacity control for integrated furnace.

Title (de)  
Kapazitätskontrolle für integrierten Ofen.

Title (fr)  
Contrôle de la capacité pour four intégré.

Publication  
**EP 0279768 A1 19880824 (EN)**

Application  
**EP 88630024 A 19880208**

Priority  
US 1730287 A 19870220

Abstract (en)  
A method and control system are disclosed for operating an integrated heating system (10) for space heating and tankless domestic hot water heating utilizing an infrared burner module (18) and heat exchanger coil (17). When the system is below 100% capacity, the burner is pulsed using a constant pulse period and varying the on-pulse width to vary capacity, or where a minimum on-pulse width is maintained the off-pulse width is varied to vary capacity.

IPC 1-7  
**F23N 1/00**

IPC 8 full level  
**F24H 1/22** (2006.01); **F23N 1/00** (2006.01)

CPC (source: EP)  
**F23N 1/002** (2013.01)

Citation (search report)

- [A] FR 1497608 A 19671013
- [A] PATENT ABSTRACTS OF JAPAN, vol. 9, no. 226 (M-412)[1949], 12th September 1985; & JP-A-60 082 716 (TOUTOU KHKI K.K.) 10-05-1985
- [A] PATENT ABSTRACTS OF JAPAN, vol. 9, no. 272 (M-425)[1995], 30th October 1985; & JP-A-60 117 046 (TOUTOU KIKI K.K.) 24-06-1985

Designated contracting state (EPC)  
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**EP 88630024 A 19880208**; CA 557264 A 19880125; DE 3886065 T 19880208; ES 88630024 T 19880208; JP 3494688 A 19880217