

Title (en)  
A HEATING UNIT

Publication  
**EP 0208241 B1 19890920 (EN)**

Application  
**EP 86108966 A 19860702**

Priority  
NO 852759 A 19850709

Abstract (en)  
[origin: EP0208241A1] A heating unit for heating great amounts of flowing gas, such as a process gas to be heated to a temperature of about 300-500 DEG C, e.g. for drying products. The heating unit consists of a number of units mounted in side by side relation and each comprising a great number of series connected heating wires (16) suspended in a frame mounted in the flow duct of the gas and adapted to apply its high voltage of from 1 to 36 KV, the series connected heating wires having such a resistance that an effect of not less than 1/2 MW is dissipated in the plant. As a result a heating unit is obtained which compared to its output is encumbered with exceptionally low costs of construction and operation, particularly in areas with an inexpensive electricity supply due to water power.

IPC 1-7  
**F24H 3/04; H05B 3/32**

IPC 8 full level  
**F24H 3/04** (2006.01); **H05B 3/32** (2006.01)

CPC (source: EP)  
**F24H 3/0405** (2013.01); **H05B 3/32** (2013.01)

Cited by  
CN112412421A; CN112412417A; EP0413121A1; CN111372334A; CN112412410A; CN112412416A; EP4253892A3; WO2021224109A1

Designated contracting state (EPC)  
DE FR SE

DOCDB simple family (publication)  
**EP 0208241 A1 19870114; EP 0208241 B1 19890920**; CA 1264178 A 19900102; DE 3665766 D1 19891026; NO 157640 B 19880111; NO 157640 C 19880420; NO 852759 L 19870112

DOCDB simple family (application)  
**EP 86108966 A 19860702**; CA 513317 A 19860708; DE 3665766 T 19860702; NO 852759 A 19850709