

Title (en)  
HEATING ELEMENT FOR HEATING FLOWING GASES

Title (de)  
HEIZELEMENT ZUM BEHEIZEN STRÖMENDER GASE

Title (fr)  
ELEMENT CHAUFFANT POUR CHAUFFER DES GAZ EN ECOULEMENT

Publication  
**EP 1179123 A1 20020213 (DE)**

Application  
**EP 00941963 A 20000519**

Priority

- DE 19923228 A 19990520
- EP 0004539 W 20000519

Abstract (en)  
[origin: DE19923228A1] The heating element (2) has a first flat component (4) which is electrically conductive and is heated by passing current through it, and a second flat component (6) which is electrically insulated. The components form a lamination sequence and form flow passages (8) for the gas. At least some layers of the lamination of the first flat component are insulated from each other by the second flat component.

IPC 1-7  
**F01N 3/027**; H05B 3/10

IPC 8 full level  
**F01N 3/027** (2006.01); **F24H 3/04** (2006.01)

CPC (source: EP)  
**F01N 3/027** (2013.01); **F24H 3/0405** (2013.01)

Citation (search report)  
See references of WO 0071863A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**DE 19923228 A1 20001123**; EP 1179123 A1 20020213; WO 0071863 A1 20001130

DOCDB simple family (application)  
**DE 19923228 A 19990520**; EP 0004539 W 20000519; EP 00941963 A 20000519