

Title (en)
HEATING DEVICE, IN PARTICULAR FOR A SENSOR ELEMENT FOR THE ANALYSIS OF GASES

Title (de)
HEIZEINRICHTUNG, INSBESONDERE FÜR EIN SENSORELEMENT ZUR ANALYSE VON GASEN

Title (fr)
DISPOSITIF DE CHAUFFE, EN PARTICULIER DANS UN CAPTEUR POUR L'ANALYSE DE GAZ

Publication
EP 1311841 A1 20030521 (DE)

Application
EP 01969226 A 20010807

Priority
• DE 0103020 W 20010807
• DE 10042000 A 20000826

Abstract (en)
[origin: WO0218925A1] A heating device, in particular for a sensor element for the analysis of exhaust gases from internal combustion engines, is disclosed. Said heating device comprises a heating conductor (11) running on a substrate (10), in particular in a convoluted form and at least one thermally conducting element (12), electrically insulated from the heating conductor (11) and arranged in the vicinity of the heating conductor (11).

IPC 1-7
G01N 27/406; H05B 3/26

IPC 8 full level
G01N 27/409 (2006.01); **G01N 27/406** (2006.01); **H05B 3/26** (2006.01)

CPC (source: EP US)
G01N 27/4067 (2013.01 - EP US); **H05B 3/265** (2013.01 - EP US); **H05B 2203/022** (2013.01 - EP US)

Citation (search report)
See references of WO 0218925A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 0218925 A1 20020307; DE 10042000 A1 20020516; EP 1311841 A1 20030521; JP 2004507760 A 20040311; US 2003029861 A1 20030213

DOCDB simple family (application)
DE 0103020 W 20010807; DE 10042000 A 20000826; EP 01969226 A 20010807; JP 2002523597 A 20010807; US 11148802 A 20020731