

Title (en)
THERMOCOUPLE SAFETY DEVICE PARTICULARLY FOR GAS BURNERS

Title (de)
THERMOELEMENTSICHERHEITSVORRICHTUNG, INSBESONDERE FÜR GASBRENNER

Title (fr)
DISPOSITIF DE SECURITE POUR THERMOCOUPLE, EN PARTICULIER POUR BRULEURS A GAZ

Publication
EP 1492983 A1 20050105 (EN)

Application
EP 03745878 A 20030203

Priority
• IT 0300047 W 20030203
• IT PD20020092 A 20020411

Abstract (en)
[origin: WO03085324A1] A thermocouple safety device, particularly for gas burners, comprises a phase conductor (3) and an earth conductor (4) of the thermocouple, each carrying a respective terminal (3a, 4a) for electrical connection to an electromagnetic unit (5) for controlling the opening/closure of a valve seat for the supply of the gas to the burner, as well as a tubular body (6) for housing the magnetic unit, from which body a collar-like element (7) extends coaxially along an axial axis (X). The device further comprises, at the free end (4a) of the earth conductor (4), a resiliently deformable connection element (11) which can be coupled with the collar-like element, transversely relative to the axial axis, for the restraint of the thermocouple relative to the tubular body of the device.

IPC 1-7
F23N 5/10; **F23Q 9/00**

IPC 8 full level
F23N 5/10 (2006.01); **F23Q 9/00** (2006.01)

CPC (source: EP)
F23N 5/107 (2013.01); **F23Q 9/00** (2013.01); **F23N 2900/05101** (2013.01)

Citation (search report)
See references of WO 03085324A1

Citation (third parties)
Third party :
ES 1030940 U 19951101 - VALLS VICENT MANUEL [ES]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
WO 03085324 A1 20031016; AU 2003215888 A1 20031020; BR PI0309241 A2 20170502; CN 1646861 A 20050727; EP 1492983 A1 20050105; IT PD20020092 A1 20031013; MX PA04009813 A 20060308

DOCDB simple family (application)
IT 0300047 W 20030203; AU 2003215888 A 20030203; BR 0309241 A 20030203; CN 03808160 A 20030203; EP 03745878 A 20030203; IT PD20020092 A 20020411; MX PA04009813 A 20030203