

Title (en)  
PLANAR INFRA-RED EMITTER

Title (de)  
ALS FLÄCHENSTRAHLER AUSGEBILDETER INFRAROT-STRAHLER

Title (fr)  
EMETTEUR INFRAROUGE PLAN

Publication  
**EP 1476697 A1 20041117 (DE)**

Application  
**EP 03709604 A 20030211**

Priority  
• DE 0300387 W 20030211  
• DE 10205922 A 20020212  
• DE 10222450 A 20020522

Abstract (en)  
[origin: WO03069224A1] Infra-red emitters embodied as a planar emitter with an emitting body (15) are known. Said body is heated on the rear face thereof by means of a burning liquid/air mixture and the front face thereof emits the infra-red radiation. According to the invention, the emitting body (15) is made from a heat-resistant material comprising more than 50 wt. % of a metal silicide, preferably molybdenum silicide (MoSi<sub>2</sub>) or tungsten silicide (WSi<sub>2</sub>).

IPC 1-7  
**F23D 14/14**

IPC 8 full level  
**F23D 14/14** (2006.01)

CPC (source: EP US)  
**F23D 14/145** (2013.01 - EP US); **F23D 14/147** (2021.05 - EP US); **F23D 14/148** (2021.05 - EP); **F23D 14/149** (2021.05 - EP); **F23D 14/148** (2021.05 - US); **F23D 14/149** (2021.05 - US); **F23D 2203/102** (2013.01 - EP US); **F23D 2212/10** (2013.01 - EP US)

Citation (search report)  
See references of WO 03069224A1

Cited by  
EP3598000A1; WO2020016046A1

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 03069224 A1 20030821**; CA 2475915 A1 20030821; EP 1476697 A1 20041117; EP 1476697 B1 20101020; US 2005017203 A1 20050127; US 7038227 B2 20060502

DOCDB simple family (application)  
**DE 0300387 W 20030211**; CA 2475915 A 20030211; EP 03709604 A 20030211; US 91718504 A 20040811