

Title (en)  
HIGH-PRESSURE DISCHARGE LAMP

Title (de)  
HOCHDRUCKENTLADUNGSLAMPE

Title (fr)  
LAMPE A DECHARGE HAUTE PRESSION

Publication  
**EP 1817790 A1 20070815 (DE)**

Application  
**EP 05817115 A 20051118**

Priority  
• DE 2005002072 W 20051118  
• DE 102004057906 A 20041130

Abstract (en)  
[origin: US2007296339A1] A high-pressure discharge lamp includes a quartz glass discharge chamber ( 1 ) having at least one end ( 11 ) provided with a molybdenum film sealing element ( 2 ) and at least one electrode ( 4 ) which is connected to the sealing element ( 2 ) and is protruded in the lower chamber ( 10 ) of the discharge chamber ( 1 ), wherein the lamp includes a spiral ( 5 ) whose slope is equal to or greater than 600% and which encompasses the part of the electrode ( 4 ) in the end ( 11 ) area provided with the sealing element ( 2 ) of the discharge chamber ( 1 ) outside of the sealing element ( 2 ).

IPC 8 full level  
**H01J 61/36** (2006.01); **H01J 61/82** (2006.01)

CPC (source: EP US)  
**H01J 61/0732** (2013.01 - EP US); **H01J 61/36** (2013.01 - EP US); **H01J 61/827** (2013.01 - EP US)

Citation (search report)  
See references of WO 2006058513A1

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

DOCDB simple family (publication)  
**US 2007296339 A1 20071227; US 7705538 B2 20100427**; AT E428182 T1 20090415; CA 2588555 A1 20060608; CN 100573807 C 20091223; CN 101065825 A 20071031; DE 102004057906 A1 20060601; DE 502005007059 D1 20090520; EP 1817790 A1 20070815; EP 1817790 B1 20090408; JP 2008522372 A 20080626; JP 4646257 B2 201110309; WO 2006058513 A1 20060608

DOCDB simple family (application)  
**US 79148605 A 20051118**; AT 05817115 T 20051118; CA 2588555 A 20051118; CN 200580040851 A 20051118; DE 102004057906 A 20041130; DE 2005002072 W 20051118; DE 502005007059 T 20051118; EP 05817115 A 20051118; JP 2007543690 A 20051118