

Title (en)  
High-pressure discharge lamp.

Title (de)  
Hochdruckentladungslampe.

Title (fr)  
Lampe à décharge à haute pression.

Publication  
**EP 0453893 B1 19950719 (DE)**

Application  
**EP 91105786 A 19910411**

Priority  
DE 4013039 A 19900424

Abstract (en)  
[origin: EP0453893A1] A mercury vapour high-pressure discharge lamp (1) having a metal halide filling contains a first rare earth halide (dysprosium, thulium, holmium) and a second rare earth halide (cerium, neodymium, praseodymium, lanthanum) and, finally, an alkali-metal halide (sodium, caesium). This filling eliminates, in particular, the red deficiency. <IMAGE>

IPC 1-7  
**H01J 61/20**

IPC 8 full level  
**H01J 61/20** (2006.01)

CPC (source: EP US)  
**H01J 61/20** (2013.01 - EP US)

Citation (examination)  
• EP 1342762 A2 20030910 - BASF CORP [US]  
• DE 13731134 A  
• EP 2169510 A1 20100331 - NEWFORM S P A [IT]

Cited by  
EP0645799A1; EP1271614A1; EP0634780A1; US5512800A; US6756721B2; US7061182B2; US6707252B2

Designated contracting state (EPC)  
BE DE FR GB IT

DOCDB simple family (publication)  
**EP 0453893 A1 19911030; EP 0453893 B1 19950719**; DE 4013039 A1 19911031; DE 59106003 D1 19950824; JP H04230946 A 19920819; JP H0565977 B2 19930920; US 5239232 A 19930824

DOCDB simple family (application)  
**EP 91105786 A 19910411**; DE 4013039 A 19900424; DE 59106003 T 19910411; JP 10685991 A 19910411; US 68915591 A 19910422