

Title (en)
Metal halide discharge lamp.

Title (de)
Metallhalogenid-Entladungslampen.

Title (fr)
Lampe à décharge aux halogénures métalliques.

Publication
EP 0344732 B1 19941026 (DE)

Application
EP 89109784 A 19890531

Priority
DE 3818966 A 19880603

Abstract (en)
[origin: EP0344732A1] Metal halide discharge lamps having a high light yield can be obtained with lamp fillings which contain sodium and gallium in a mol ratio above 1, particularly from 1 to 19 and especially from 2 to 8. In this arrangement, mixed halides of chlorine and iodine, bromine and iodine or chlorine, bromine and iodine are suitably used, the iodine content of which is not more than 85 At%, particularly between 50 and 80 At%. The illustrative embodiments contain information on lamp fillings which exhibit noble gas such as argon, mercury and thallium halide and sodium and gallium halide with a Na/Ga mol ratio around 3. <IMAGE>

IPC 1-7
H01J 61/18

IPC 8 full level
H01J 61/12 (2006.01); **H01J 61/18** (2006.01); **H01J 61/82** (2006.01)

CPC (source: EP)
H01J 61/125 (2013.01); **H01J 61/827** (2013.01)

Cited by
KR100351338B1; CN100405527C; US5889367A; EP0800201A3; US7282862B2; WO2004049386A3

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0344732 A1 19891206; EP 0344732 B1 19941026; DE 58908551 D1 19941201

DOCDB simple family (application)
EP 89109784 A 19890531; DE 58908551 T 19890531