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Application
EP 98111187 A 19980618

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DE 19731168 A 19970721

Abstract (en)
[origin: US6069456A] Lighting system, comprising a mercury-free metal halide lamp with a light yield of at least 75 lm/W and a color rendition index of at least 75 and an electronic ballast, the electronic ballast impressing a square-wave power supply on the lamp and keeping the power constant. The filling comprises the following components: a buffer gas which also acts as starting gas to start the lamp, a voltage gradient generator, comprising at least one metal halide which vaporizes readily and which is chiefly (by more than 50%) responsible for generating a voltage gradient which corresponds approximately to that of mercury, and a light generator comprising one metal and/or one metal halide.

IPC 1-7
H01J 61/12; H01J 61/82

IPC 8 full level
H01J 61/12 (2006.01); **H01J 61/18** (2006.01); **H01J 61/36** (2006.01); **H01J 61/82** (2006.01); **H01J 61/88** (2006.01)

CPC (source: EP US)
H01J 61/18 (2013.01 - EP US)

Citation (search report)
- [A] EP 0673183 A2 19950920 - OSRAM SYLVANIA INC [US]
- [A] EP 0507533 A2 19921007 - TOSHIBA LIGHTING & TECHNOLOGY [JP]
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EP1045622A3; EP1271612A3; EP1011126A3; US6586891B2; US7126281B2; US6608444B2

Designated contracting state (EPC)
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US 6069456 A 20000530; AT E274236 T1 20040915; CA 2243737 A1 19990121; CA 2243737 C 20061128; DE 19731168 A1 19990128; DE 59811826 D1 20040923; EP 0903770 A2 19990324; EP 0903770 A3 19990407; EP 0903770 B1 20040818; HU 221394 B1 20020928; HU 9801641 D0 19980928; HU P9801641 A2 19990428; HU P9801641 A3 20010228; JP 4335332 B2 20090930; JP H1186795 A 19990330

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