Title (en)

FLUORESCENT LAMP AND METAL HALIDE LAMP

Title (de)

FLUORESZENTE LAMPE UND LAMPE MIT METALHALOGENID

Title (fr)

LAMPE FLUORESCENTE ET LAMPE AUX HALOGENURES

Publication

EP 0896361 B1 20060426 (EN)

Application

EP 98901580 A 19980210

Priority

- JP 9800548 W 19980210
- JP 2861697 A 19970213
- JP 5893197 A 19970313
- JP 26320497 A 19970929

Abstract (en)

[origin: EP0896361A1] A fluorescent lamp ensures categorical color perception for surface colors of at least red, green, blue, yellow and white, while improving the luminous efficiency in scotopic vision and mesopic vision or in a wide visual field, wherein dominant radiation is obtained from a phosphor which has peak emission wavelength in a wavelength region from 530 to 580nm and a region from 600 to 650nm, flux ratio of a phosphor having peak emission wavelength in a wavelength region from 420 to 530nm is set to 4 to 40% of the total flux radiated in the dominant wavelength band, correlated color temperature of the lamp light color is set to 3500K to INFINITY and Duv (distance from perfect radiator locus on uv coordinates) is set within a range from 5 to 70. <IMAGE>

IPC 8 full level

H01J 61/44 (2006.01); **H01J 61/72** (2006.01); **H01J 61/20** (2006.01)

CPC (source: EP)

H01J 61/20 (2013.01); **H01J 61/44** (2013.01)

Cited by

WO2008055770A1; EP0993237A3; EP0990691A3; EP0993022A1; EP1009017A3; GB2403062A; GB2403062B; US6285134B1; US6459197B1; WO2005071712A3; US8350460B2

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