

Title (en)

A GREEN EMITTING PHOSPHOR AND CATHODE RAY TUBE WITH SUCH A PHOSPHOR

Publication

**EP 0114438 A3 19870506 (DE)**

Application

**EP 83201796 A 19831215**

Priority

DE 3248448 A 19821229

Abstract (en)

[origin: US4559469A] A green emitting phosphor for heavily loaded cathode-ray tubes comprises a mixture of a deep-green and a yellowish-green emitting phosphor. Mixtures of  $\text{Zn}_2\text{SiO}_4\text{:Mn}$  and at least one phosphor from the group comprising  $\text{Y}_2\text{SiO}_5\text{:Tb}$ ;  $\text{X}_2\text{O}_2\text{S:Tb}$ ;  $\text{ES:Ce}$  and  $\text{XOZ:Tb}$ , where  $\text{X}=\text{Y}$ ,  $\text{La}$ ,  $\text{Gd}$ ,  $\text{Lu}$ ;  $\text{E}=\text{Ca}$ ,  $\text{Sr}$ ,  $\text{Ba}$ ; and  $\text{Z}=\text{Cl}$ ,  $\text{Br}$ ,  $\text{I}$ ,  $\text{F}$ ; satisfy, as FIG. 1 illustrates for a few examples, the EBU specification.

IPC 1-7

**H01J 29/18**; **H01J 29/20**

IPC 8 full level

**C09K 11/08** (2006.01); **C09K 11/59** (2006.01); **C09K 11/86** (2006.01); **H01J 29/18** (2006.01); **H01J 29/20** (2006.01)

CPC (source: EP US)

**H01J 29/187** (2013.01 - EP US); **H01J 29/20** (2013.01 - EP US)

Citation (search report)

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DOCDB simple family (application)

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