

Title (en)
METHOD FOR MANUFACTURING FLUORESCENT LAMP AND PHOSPHOR SUSPENSION

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER LEUCHTSTOFFLAMPE UND LEUCHTSTOFFSUSPENSION

Title (fr)
PROCEDE DE FABRICATION DE LAMPE FLUORESCENTE ET DE SUSPENSION DE PHOSPHORE

Publication
EP 1115144 A4 20030827 (EN)

Application
EP 00927810 A 20000519

Priority
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• JP 14450199 A 19990525

Abstract (en)
[origin: EP1115144A1] In a phosphor lamp manufacturing method, a phosphor suspension that is not prone to deterioration is prepared, and applied to an inner surface of a glass bulb. Then, the phosphor suspension is dried and baked to form a phosphor film. In addition to a phosphor, metal oxide used as a bonding agent, pure water used as a dispersant and ammonia used as a pH regulator are mixed into the phosphor suspension, and pH is regulated in a range of no less than pH8 and no more than pH10. Aluminum oxide particles with a specific surface area of no less than 1.5 m²/g and no more than 30 m²/g are used as the metal oxide. This makes the phosphor suspension less prone to deterioration and enables a high film strength of 1.5 gf/cm² or more to be obtained even if the phosphor film is formed using a phosphor suspension that has been left for a long period after mixing. <IMAGE>

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• [A] EP 0372560 A2 19900613 - KASEI OPTONIX [JP]
• [A] DATABASE WPI Section Ch Week 197915, Derwent World Patents Index; Class L03, AN 1979-28558B, XP002246022
• [A] DATABASE WPI Section Ch Week 199842, Derwent World Patents Index; Class L03, AN 1998-489619, XP002246023
• See references of WO 0072356A1

Cited by
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