

Title (en)

Process for producing a fluorescent coating of cathode ray tube

Title (de)

Verfahren zur Herstellung einer Leuchtstoffschicht einer Kathodenstrahlröhre

Title (fr)

Procédé d'application d'une couche de substance lumineuse d'un tube cathodique

Publication

EP 0821384 A3 19980715 (DE)

Application

EP 97112224 A 19970717

Priority

DE 19630016 A 19960725

Abstract (en)

[origin: EP0821384A2] A process for the production of a phosphor coating on a cathode ray tube, in which the back of the screen is coated with a conductive electrode layer (1), layer (1) is treated with a solution, suspension and/or dispersion (A) containing the phosphor or a precursor thereof plus an electrolyte, an electric field is applied between (1) and solution (A), the phosphor is deposited on (1) by electrophoresis, and layer (1) is then removed leaving the phosphor on the back of the screen. The electrode material for layer (1) consists of electrically conductive polymers and/or oligomers and/or monomers thereof ("polymers I") with vaporisation temperatures below the decomposition temperature of the phosphor layer (2), and these polymers (I) are removed by evaporation.

IPC 1-7

H01J 9/22

IPC 8 full level

H01J 9/22 (2006.01)

CPC (source: EP US)

H01J 9/225 (2013.01 - EP US)

Citation (search report)

- [A] EP 0715004 A1 19960605 - COMMISSARIAT ENERGIE ATOMIQUE [FR]
- [A] EP 0447078 A2 19910918 - THOMSON CONSUMER ELECTRONICS [US], et al
- [A] DE 2909147 A1 19790920 - WESTINGHOUSE ELECTRIC CORP

Cited by

EP1079411A3

Designated contracting state (EPC)

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EP 0821384 A2 19980128; EP 0821384 A3 19980715; DE 19630016 A1 19980129; DE 19630016 C2 20001012; US 5906720 A 19990525

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