

Title (en)

Screen application method for colour picture tubes.

Title (de)

Beschirmungsverfahren für Farbbildröhren.

Title (fr)

Procédé pour réaliser un écran pour tubes à images en couleurs.

Publication

EP 0014360 A1 19800820 (DE)

Application

EP 80100250 A 19800119

Priority

DE 2904673 A 19790208

Abstract (en)

1. Method for screening of glass sheels for colour picture tubes in which a screening suspension of particles of luminescent material in an aqueous solution of binding agent, photosensitiser and suspension adjuvants is poured onto the glass shell, in which then the surplus screening suspension is centrifuged off and the reflux together with a replenishing suspension containing the same constituents and restoring the reflux to the concentration of the screening suspension stock is returned to the stock, measures being taken in the suspension circulation always to pour on the screening suspension at a temperature not exceeding 293 K, characterized in that in the production of the screening suspension and the replenishing suspension all the constituents of the said suspensions are precooled before being mixed with the photosensitiser solution to preferably 278 K, but at least 288 K.

Abstract (de)

Zum Herstellen von Leuchtschirmen von Farbbildröhren wird eine Beschirmungssuspension verwendet, welche im wesentlichen Leuchtstoff, Wasser, Polyvinylalkohol (PVA) und einen Photosensibilisator enthält. Um ab der Herstellung der Beschirmungssuspension die Dunkelreaktion zwischen PVA und dem Photosensibilisator herabzusetzen, werden die Ausgangsbestandteile vor dem Vermischen gekühlt.

IPC 1-7

H01J 9/22

IPC 8 full level

H01J 9/227 (2006.01); **H01J 9/22** (2006.01)

CPC (source: EP)

H01J 9/223 (2013.01)

Citation (search report)

- [AD] DE 2513907 A1 19751009 - RCA CORP
- [AD] DE 1614372 A1 19700527 - RCA CORP

Cited by

GB2164464A

Designated contracting state (EPC)

BE DE FR IT NL

DOCDB simple family (publication)

EP 0014360 A1 19800820; **EP 0014360 B1 19850515**; DE 2904673 A1 19800814; DE 3070634 D1 19850620; FI 800323 A 19800809; JP S55133729 A 19801017

DOCDB simple family (application)

EP 80100250 A 19800119; DE 2904673 A 19790208; DE 3070634 T 19800119; FI 800323 A 19800204; JP 1157280 A 19800204