

Title (en)

Colour cathode ray tube with improved phosphor pattern.

Title (de)

Farbkathodenstrahlrohr mit Phosphormuster.

Title (fr)

Tube couleur à rayons cathodiques avec modèle de matériau luminescent.

Publication

**EP 0129620 A1 19850102 (EN)**

Application

**EP 83303615 A 19830623**

Priority

EP 83303615 A 19830623

Abstract (en)

A colour cathode ray tube has an improved phosphor pattern to increase the brightness of the red. By increasing the size of the red phosphor dots the lower efficiency of the red phosphor can be compensated for. By decreasing the size of the blue and/or green phosphor dots (preferably the green more than the blue) the display contrast can be maintained. The overall perceived purity is also improved by changing the relative sizes of the phosphor dots. The invention is also applicable to colour CRTs using phosphor stripes.

IPC 1-7

**H01J 29/32**

IPC 8 full level

**H01J 29/32** (2006.01)

CPC (source: EP)

**H01J 29/322** (2013.01)

Citation (search report)

[X] DE 3016550 A1 19811105 - ATHANASE TRAPALIS DIPL ING

Cited by

FR2735903A1; EP0205699A1; EP0155769A3; EP0883155A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0129620 A1 19850102**; JP S6010548 A 19850119

DOCDB simple family (application)

**EP 83303615 A 19830623**; JP 5129184 A 19840319