

Title (en)
COLOR CATHODE RAY TUBE AND PRODUCTION METHOD THEREFOR

Title (de)
FARBKATHODENSTRAHLRÖHRE UND HERSTELLUNGSVERFAHREN DERSELBEN

Title (fr)
TUBE CATHODIQUE COULEUR ET SON PROCEDE DE FABRICATION

Publication
EP 1052669 A4 20011017 (EN)

Application
EP 99972362 A 19991112

Priority
• JP 9906315 W 19991112
• JP 32346298 A 19981113

Abstract (en)
[origin: EP1052669A1] A heat absorbing film (14) made of an oxide is formed on a conductive reflecting film (13) by applying and baking a sol containing a material, which is to form the oxide, in a colloidal state. Conditions under which a vacuum evaporation system for forming the conductive reflecting film (13), and an applying/baking system for forming the heat absorbing film (14) are operated need not be changed, and the heat absorbing film (14) having small variations in thickness and quality can be formed on the conductive reflecting film (13). Reflection and radiation of heat from the conductive reflecting film (13) to a color selection electrode are suppressed effectively, so that a color cathode-ray tube in which a decrease in color purity is small can be manufactured. <IMAGE>

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H01J 9/22; **H01J 29/28**

IPC 8 full level
H01J 29/28 (2006.01)

CPC (source: EP KR)
H01J 9/22 (2013.01 - KR); **H01J 29/28** (2013.01 - EP)

Citation (search report)
• [A] US 4729907 A 19880308 - DEAL SAMUEL B [US], et al
• See references of WO 0030140A1

Cited by
EP1170771A1; US6713121B2

Designated contracting state (EPC)
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EP 1052669 A1 20001115; **EP 1052669 A4 20011017**; CN 1288579 A 20010321; KR 20010034039 A 20010425; WO 0030140 A1 20000525

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EP 99972362 A 19991112; CN 99802150 A 19991112; JP 9906315 W 19991112; KR 20007007646 A 20000711