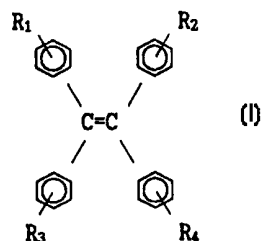
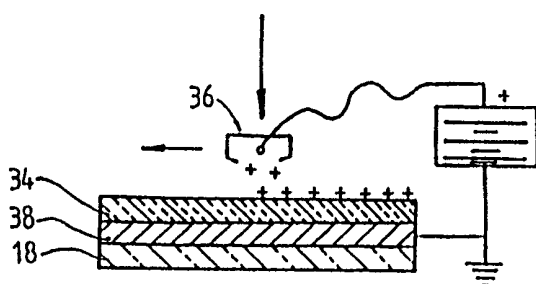




## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                                                                                                                                                                                                                 |
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| (51) International Patent Classification <sup>6</sup> :<br><b>H01J 9/20, G03C 5/00, H01J 29/18</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>A3</b> | (11) International Publication Number: <b>WO 99/34384</b><br>(43) International Publication Date: 8 July 1999 (08.07.99)                                                                                                                                                        |
| (21) International Application Number: PCT/KR97/00288<br>(22) International Filing Date: 31 December 1997 (31.12.97)<br>(71) Applicant (for all designated States except US): ORION ELECTRIC CO., LTD. [KR/KR]; 165, Gongdan-dong, Gumi-shi, Kyungsangbuk-do 730-030 (KR).<br>(72) Inventors; and<br>(75) Inventors/Applicants (for US only): YOON, Sang, Youl [KR/KR]; 102-1402, Hwajin Kumbong Apt., Hwangsang-dong, Gumi-shi, Kyungsangbuk-do 730-030 (KR). SHON, Ho, Seok [KR/KR]; 215-204, Sinbanpo 6th Apt., Jamwon-dong, Seocho-gu, Seoul 137-030 (KR).<br>(74) Agent: LEE, Young; 735-29, Yeoksam-dong, Kangnam-ku, Seoul 135-080 (KR). |           | (81) Designated States: JP, KR, MX, US, VN, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).<br>Published<br>With international search report.<br>(88) Date of publication of the international search report: 2 September 1999 (02.09.99) |

(54) Title: A SOLUTION FOR PHOTOCONDUCTIVE LAYERS IN DRY-ELECTROPHOTOGRAPHICALLY MANUFACTURING OF SCREENS OF CRTs AND ITS APPLICATION



## (57) Abstract

Disclosed are a solution for making a photoconductive layer in dry-electrophotographically manufacturing a screen of a cathode ray tube and a method using solution. By the solution, the photoconductive layer can be stored for long time and reveals a superior photoconductivity. The solution has tetraphenyl ethylene derivatives as an electron donor material responsive to the ultraviolet rays, which has structural formula (I), in which R is H, CH<sub>3</sub>, C<sub>2</sub>H<sub>5</sub>, C<sub>3</sub>H<sub>7</sub>, OCH<sub>3</sub>, OC<sub>2</sub>H<sub>5</sub>, OC<sub>3</sub>H<sub>7</sub>, or COCH<sub>3</sub>, on a condition of excepting a case where R<sub>1</sub>=R<sub>2</sub>=R<sub>3</sub>=R<sub>4</sub>=H.

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# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR 97/00288

## A. CLASSIFICATION OF SUBJECT MATTER

IPC<sup>6</sup>: H 01 J 9/20; G 03 C 5/00; H 01 J 29/18

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC<sup>6</sup>: H 01 J; G 03 C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPODOC, PAJ, WPI, TXTUS1, TXTUS2

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                                                                                                                    | Relevant to claim No. |
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Date of the actual completion of the international search

17 May 1999 (17.05.99)

Date of mailing of the international search report

21 June 1999 (21.06.99)

Name and mailing address of the ISA/AT

Austrian Patent Office  
Kohlmarkt 8-10; A-1014 Vienna  
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Information on patent family members

International application No.

PCT/KR 97/00288

| In Recherchenbericht<br>angeführtes Patentdokument<br>Patent document cited<br>in search report<br>Document de brevet cité<br>dans le rapport de recherche | Datum der<br>Veröffentlichung<br>Publication<br>date<br>Date de<br>publication | Mitglied(er) der<br>Patentfamilie<br>Patent family<br>member(s)<br>Membre(s) de la<br>famille de brevets | Datum der<br>Veröffentlichung<br>Publication<br>date<br>Date de<br>publication |
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