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H04N 13/04 (2006.01)

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English

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(72) Inventors; and


(54) Title: DRIVE SCHEME FOR STEREOSCOPIC DISPLAY POLARIZATION MODULATOR AND APPARATUS FOR SAME


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(57) Abstract: An improved drive scheme for a segmented polarizing modulator (or Polarization Control Panel) for use in an electronic stereoscopic display. The segmented polarization modulator segments are arranged contiguously in a direction of the sequential scan. The liquid crystal material used in each segment is driven in a manner to reduce the visibility of segment boundaries, by applying a positive or negative transition voltage (+T or -T volts) for a short period of time prior to applying +H and -H drive voltages. Optionally, the transition voltage may also be applied in transition from +H and -H drive voltages.
A. CLASSIFICATION OF SUBJECT MATTER

G02B 27/26(2006.01)i, H04N 13/04(2006.01)1, G02C 1/06(2006.01)1

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)

G02B 27/26; H04N 13/00; G02F 1/13; H04N 13/04

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: sequentially scanning display, polarization modulator segment, transition voltage, drive voltage

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
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<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<td>US20070229951 A1 (SUNG-YONG JUNG et al.) 04 October 2007 See abstract, paragraphs [0037], [0040] and figure 7.</td>
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Further documents are listed in the continuation of Box C.

See patent family annex.

Date of the actual completion of the international search

27 DECEMBER 2012 (27.12.2012)

Date of mailing of the international search report


Name and mailing address of the ISA/KR

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189 Cheongsa-ro, Seo-gu, Daejeon Metropolitan City, 302-701, Republic of Korea

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Form PCT/ISA/210 (second sheet) (July 2009)
<table>
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<th>Patent document cited in search report</th>
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