

Title (en)
A direct-view display

Title (de)
Direktansichtsanzeige

Title (fr)
Écran à vue directe

Publication
EP 2402934 A2 20120104 (EN)

Application
EP 11178533 A 20061219

Priority

- EP 06847859 A 20061219
- US 75190905 P 20051219
- US 36129406 A 20060223
- US 77636706 P 20060224

Abstract (en)
A direct-view display comprises a transparent substrate and an array of MEMS light modulators formed on the transparent substrate, wherein each of the light modulators can be driven into at least two states. A control matrix is formed on the transparent substrate for transmitting data and actuation voltages to the array. A controller controls the states of each of the light modulators in the array. The controller obtains a plurality of subframe data sets from a memory, wherein the plurality of sub-frame data sets correspond to an image frame, each sub-frame data set is associated with a coded weight, and each sub-frame data set indicates desired states of light modulators in multiple rows and multiple columns of the array. The controller outputs the plurality of sub-frame data sets according to an output sequence, stored at least partially in memory, to drive light modulators into the states indicated in the sub-frame data sets; and controls illumination of each of the respective sub-frame data sets of the plurality of sub-frame data sets based on the coded weight associated with the respective sub-frame data set.

IPC 8 full level
G09G 3/20 (2006.01); **G09G 3/34** (2006.01)

CPC (source: EP)
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Citation (applicant)

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

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