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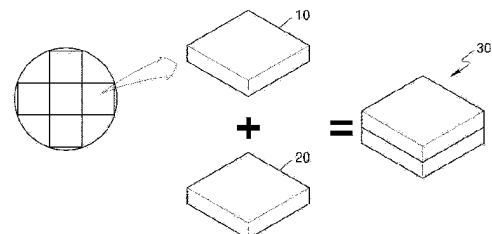
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(54) **MICRO DISPLAY DEVICE, DATA DRIVING CIRCUIT, AND METHOD FOR INSPECTING SAME**

(57) A display device comprising a pixel unit including a plurality of pixels, each including a luminous element and a pixel circuit connected to the luminous element; a clock generator configured to generate a plurality of clock signals each corresponding to each of a plurality of subframes constituting a frame; and a parallel to serial converter configured to convert the plurality of clock signals to a serial clock signal and transfer the serial clock signal to the pixel unit; and wherein the pixel circuit of each pixel includes a first pixel circuit configured to control light-emission and non-emission of the luminous element in response to a control signal applied to each of the plurality of subframes; and a second pixel circuit configured to store bit values of image data in the frame and generate the control signal based on the stored bit values and the serial clock signal such that each subframe included in the frame is controlled according to each bit value.

FIG. 1



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EUROPEAN SEARCH REPORT

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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 31 January 2024	Examiner Taron, Laurent
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

**ANNEX TO THE EUROPEAN SEARCH REPORT
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5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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