

Title (en)
Driver circuit for a display device

Title (de)
Treiberschaltung für Anzeigevorrichtung

Title (fr)
Circuit d'attaque pour un dispositif d'affichage

Publication
EP 1225559 A3 20090708 (DE)

Application
EP 02100001 A 20020108

Priority
DE 10100569 A 20010109

Abstract (en)
[origin: US2002093992A1] The invention relates to a device for driving display devices and to a display device that is provided with a driver circuit. The invention also relates to a method of testing driver circuits. Driver circuits of this kind have a decisive effect on the quality of the display devices. Therefore, in order to ensure a good quality, the driver circuit must be extensively tested, that is, with an as short as possible test time and using as few means as possible. In order to make such a test possible, a device for driving the display devices is provided with M leads that are coupled to AN output stages that are provided with at least one multiplex device (4) and at least one amplifier unit (5), the M leads being coupled to a first switching device (2) that enables the interruption of a voltage supply to the M leads, and at least one second switching device (3) being provided in at least one output stage (AN) in order to switch the output stage (AN) to a selectable potential. This enables the use of a test that can be carried out digitally.

IPC 8 full level
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Citation (search report)

- [X] US 5061920 A 19911029 - NELSON LARRY A [US]
- [X] US 6023260 A 20000208 - HIGASHI SEIICHIRO [JP]
- [X] US 5576730 A 19961119 - SHIMADA TAKAYUKI [JP], et al
- [X] EP 0391655 A2 19901010 - SHARP KK [JP]
- [X] US 5426447 A 19950620 - LEE SYWE N [TW]

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