

Title (en)  
DEVICE FOR GENERATING DISPLAY CONTROL SIGNALS

Publication  
**EP 0276887 A3 19900117 (DE)**

Application  
**EP 88200092 A 19880120**

Priority  
DE 3702226 A 19870126

Abstract (en)  
[origin: EP0276887A2] The picture control signals, in particular colour picture control signals for representing a picture on a representation device, for example of a colour picture tube, must have a specific structure independent of this representation device. The information for the picture to be represented can come from various sources, e.g. viewdata over a telephone line. The conversion of this varying picture information supplied from outside into the picture control signals is normally performed by means of a processor and a further special circuit. The proposed device aims at a rapid conversion accompanied by substantial relieving of the processor, and to enable the user to change such pictures easily. The device according to the invention in each case converts the picture information supplied into code words which are such as to be capable of being converted as rapidly and simply as possible into the picture control signals for the required device in the event of cyclically recurring readout from the refresh memory. In this arrangement these code words are pixel-orientated and thus always relate to the direct pixel information, so that more easily aimed changes of a picture are therefore possible. In addition, an autonomous address calculation ensures a furthest reaching relief of the processor. Conversion, in particular of viewdata and graphics/picture information into control signals for, for example, colour picture tubes. <IMAGE>

IPC 1-7  
**G09G 1/28**; **G09G 1/16**

IPC 8 full level  
**G09G 5/00** (2006.01); **G09G 1/16** (2006.01); **G09G 1/28** (2006.01); **G09G 5/02** (2006.01); **G09G 5/22** (2006.01); **G09G 5/30** (2006.01)

CPC (source: EP)  
**G09G 5/02** (2013.01); **G09G 5/222** (2013.01)

Citation (search report)  
[A] DE 3046513 A1 19820708 - SIEMENS AG [DE]

Cited by  
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**EP 0276887 A2 19880803**; **EP 0276887 A3 19900117**; **EP 0276887 B1 19930609**; DE 3702226 A1 19880804; DE 3881534 D1 19930715; JP S63247791 A 19881014

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