

Technology Offer

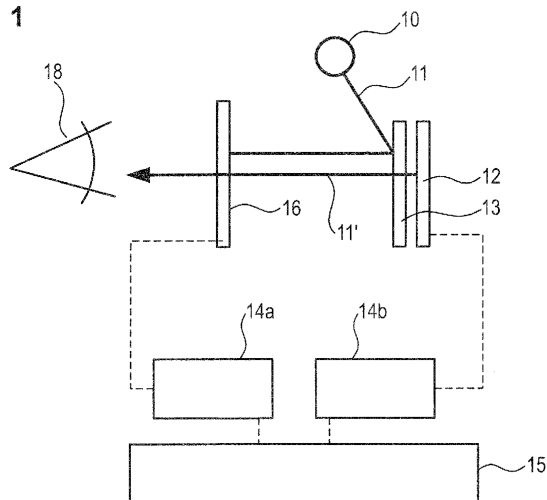
DISPLAY IN CONDITIONS OF BRIGHT AMBIENT LIGHT

Ref.-No.: 1305-5612-WT

Summary of the Technology

The invention relates to an information display system allowing for a good contrast of electronic devices in brightly lit environment such as outdoors. The system comprises an emission device, which is arranged to display information to the user. Such an emission device could e.g. either be a computer screen (12, 13) or also a projection device used in cinemas or the like. The emission device emits light in a pulsed manner with a varying brightness. This means that light is emitted at a high intensity for some time periods and in between emitted at a lower intensity. The repeated rate is high enough so that the user cannot perceive the flickering. The system further comprises a viewing device (16), which could e.g. be spectacles to be worn by the user. The spectacles have a variable transparency, which is synchronized with the emission device i.e. the screen by means of a synchronizing system (14, 15). This implies that when the emission device emits light at a high intensity, the spectacles provide a high transparency so that the displayed information can reach the user's eyes (18). This allows for selectively viewing the light, which is emitted by the emission device, whilst blanking out or at least suppressing the light (11), which may be present in the surroundings.

Fig. 1



Advantages

- High contrast
- Low energy consumption
- Less wavelength range constraints



Applications

- Laptops
- Tablet computers
- Mobile phones
- Digital cameras
- Digital watches
- E-book readers
- Navigation devices
- Open air cinema

Patent Information

US, EP, JP, CN, CA, RU, KR, HK, IL, AU, MY, SG, TW

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