

Title (en)
IMAGE DISPLAY SCREEN

Title (de)
BILDANZEIGESCHIRM

Title (fr)
ÉCRAN D'AFFICHAGE D'IMAGE

Publication
EP 3405831 A1 20181128 (EN)

Application
EP 17704523 A 20170113

Priority
• GB 201601001 A 20160119
• GB 2017050085 W 20170113

Abstract (en)
[origin: GB2546505A] Image display screen comprising: an image reflecting portion comprising an optically anisotropic layer and configured such that light incident thereon is reflected principally by the optically anisotropic layer. Also disclosed: image reflecting portion comprises a lenticular reflector and a layer of paint. Lenticular array may comprise prisms, cylindrical, hemicylindrical or elliptically cylindrical elongate, mutually parallel lenses with horizontally aligned longitudinal axes. Paint may be pigmented black to absorb light but may contain dispersed reflective particles eg. aluminium. Also disclosed: image reflector may rotate about an axis displaced from its centre. This may generate a volumetric display. Also disclosed: image may be projected on to the screen and may be rotated at the same speed as the screen. Image rotator may be a Dove prism and may be rotated at half the speed of the screen. Anisotropic material may be a holographic diffuser or reflector layer or a lenslet array. Light transmitted through optically anisotropic layer may be attenuated. Image reflector may comprise contrast layer. Longitudinal lens axis may be perpendicular to screen rotation axis. Video may be projected.

IPC 8 full level
G02B 27/22 (2018.01); **G02B 30/60** (2020.01); **G03B 21/602** (2014.01)

CPC (source: EP GB)
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Citation (search report)
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