

Title (en)
DISPLAY SYSTEMS FOR A DEVICE

Title (de)
DISPLAY-SYSTEME FÜR EIN GERÄT

Title (fr)
SYSTEMES D'AFFICHAGE POUR UN APPAREIL

Publication
EP 1661117 A4 20090121 (EN)

Application
EP 04817726 A 20040701

Priority

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- US 61563403 A 20030708
- US 61614503 A 20030708
- US 61984803 A 20030714
- US 70667203 A 20031111

Abstract (en)
[origin: WO2005050601A2] A display system for a operating a device receives images from a first sensor and a second sensor that represent scenery outside the device. The display system is configured to detect moving objects in the images, as well as fuse the images to a single viewpoint. The fused image is transformed to a first viewpoint image from a first operator station in the device, and a second viewpoint image from a second operator station in the device. The combined sensor image and symbols are output to a display device that is positioned to provide a portion of the out-the-window field of view to the operator. The entire desired field of view for the operator is provided by the display device in combination with the out-the-window scene available through windows of the device. The display system generates a plurality of mutually exclusive windows on a display device. One or more of the windows includes a common user interface and a common display area for a subset of at least two of the windows. The system receives information regarding current flight conditions of the device such as an aircraft and determines the acoustic level of the sonic boom and/or other noise generated by the device during operation. The current acoustic level is compared to a desired level, and various cues are displayed to operators regarding corrective actions that can be taken to reduce or maintain the acoustic level at the desired level. A protective housing encloses the sensors. This protective housing includes a transparent aperture through which the sensor captures images. A cleaning mechanism removes obstructions from the transparent aperture in order to provide continuous images representing scenery outside the device through an operator display.

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G09G 5/00 (2006.01); **B64D 47/08** (2006.01); **G01C 23/00** (2006.01)

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

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- See references of WO 2005050601A2

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