

Title (en)

APPARATUS AND METHOD FOR PROVIDING INFORMATION TO A CONTROL SYSTEM OR COMPUTER

Title (de)

VORRICHTUNG UND VERFAHREN ZUR EINGABE VON INFORMATIONEN IN EIN STEUERUNGSSYSTEM ODER IN EINEN RECHNER

Title (fr)

DISPOSITIF ET PROCEDE SERVANT A TRANSMETTRE DES INFORMATIONS A UN SYSTEME DE COMMANDE OU A UN ORDINATEUR

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Application

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Abstract (en)

[origin: WO9601455A1] Apparatus for providing information to a computer comprises a display (51) producing a viewable image (14) suspended in space, and a detector having two photosensitive element arrays (53, 54) for sensing the presence and/or position of an object (e.g. a finger) (55) in a given space close to the image, this information being fed to the computer. The elements are sensitive to infrared radiation which is either emitted passively or is scattered and/or reflected via the object from a source (58) of infrared radiation which illuminates the space. The detector elements and source are arranged so that light does not illuminate the detector elements directly. The detector element arrays identify which possible subregion of the given space the infrared signal associated with the object emanates. The invention enables interaction with a suspended image or a virtual reality system without surrounding the space with light sources and/or detectors.

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