

Title (en)
INTERACTIVE DISPLAY UNIT

Title (de)
INTERAKTIVE ANZEIGEEINHEIT

Title (fr)
UNITÉ D’AFFICHAGE INTERACTIVE

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Abstract (en)
[origin: WO2012103996A1] The invention relates to an interactive display unit (1) for presenting information and for interacting with a user, in particular in a vehicle interior (2). According to the invention, at least one imaging cell (3) comprises a photorefractive polymer material layer (3.3) between two transparent substrate carriers (3.1, 3.2) in a sealing arrangement, each said substrate carrier being provided with a transparent electrode layer that faces the photorefractive polymer material layer (3.3). A writing light source (5) with a propagation oriented in the direction of the photorefractive polymer material layer (3.3) is arranged on one of the substrate carriers (3.1) in a parallel manner with respect to said substrate carrier, a haptic sensor/actuator unit (6) is arranged on the other substrate carrier (3.2), and at least one reading light source (4) with a propagation oriented in the direction of the photorefractive polymer material layer (3.3) is arranged in a lateral manner.

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