

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6661/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :25/07/2013

(43) Publication Date : 23/01/2015

(54) Title of the invention : INTERACTIVE DISPLAY UNIT

(51) International classification :G06F3/041,G06F3/01,G03H1/00
(31) Priority Document No :10 2011 009 968.9
(32) Priority Date :01/02/2011
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2011/074220
Filing Date :29/12/2011
(87) International Publication No :WO 2012/103996
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)JOHNSON CONTROLS GMBH
Address of Applicant :Industriestrae 20 30 51399 Burscheid
Germany
(72)Name of Inventor :
1)ZHAO Yanning
2)EPPINGER Andreas
3)JENDRITZA Daniel

(57) Abstract :

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.

No. of Pages : 21 No. of Claims : 10