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DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP,
KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD,
ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI,
NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW,
SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM,
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TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

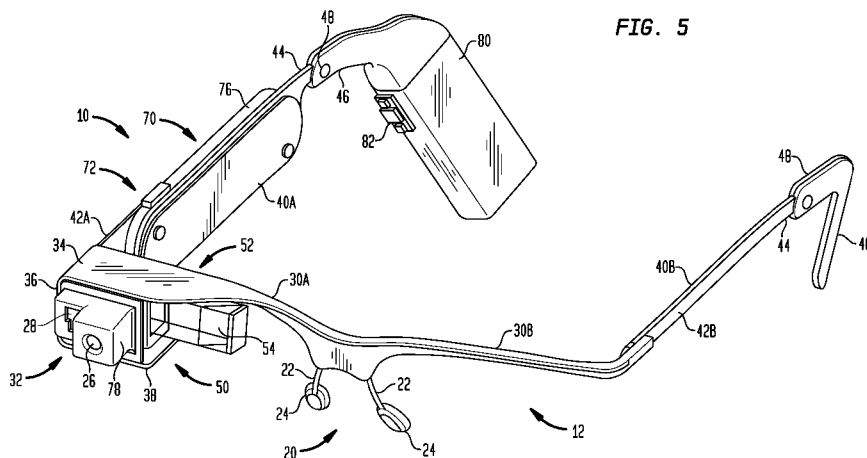
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(54) **Title:** WEARABLE DEVICE WITH INPUT AND OUTPUT STRUCTURES



(57) **Abstract:** An electronic device (10) including a frame (12) configured to be worn on the head of a user is disclosed. The frame (12) can include a bridge (20) configured to be supported on the nose of the user and a brow portion (30A) coupled to and extending away from the bridge (20) and configured to be positioned over a side of a brow of the user. The frame (12) can further include an arm (42A) coupled to the brow portion (30A) and extending to a free end (44). The first arm (42A) can be positionable over a temple of the user with the free (44) end disposed near an ear of the user. The device (10) can also include a transparent display (54) affixed to the frame (12) adjacent the brow portion (30A) and an input (70) affixed to the frame (12) and configured for receiving from the user an input associated with a function. Information related to the function can be presentable on the display (54).



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A. CLASSIFICATION OF SUBJECT MATTER**G02B 27/02(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G02B 27/02; G02C 11/00; G02B 27/01; G03B 21/26; G06F 3/01; G09G 5/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: wearable head mounted display, eyeglasses, electronics, bridge, brow, rotation

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	US 20100110368 A1 (CHAUM) 06 May 2010 See abstract, paragraphs [0082]-[0083], [0096], [0098], [0110], [0161] and figures 5B, 6F, 15A.	1-2,9-11,14-15 ,18-19,21-24 3-8,12-13,16-17,20
Y	US 20050219152 A1 (BUDD et al.) 06 October 2005 See abstract, paragraphs [0044], [0046], [0084], claim 8 and figures 5, 8, 9A, 9B, 10.	1-2,9-10,21-24
Y	US 20090201460 A1 (BLUM et al.) 13 August 2009 See abstract, paragraph [0045], claim 10 and figures 1, 6A-6B.	11,14-15,18-19
A	US 20100157433 A1 (MUKAWA et al.) 24 June 2010 See abstract, claim 1 and figure 14.	1-24

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

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Information on patent family members

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