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(71) Applicant: GENTEX corporation [US/US]; 600 North Centennial Street, Zeeland, MI 49464 (US).

(72) Inventors: STAM, Joseph, S.; 345 South Lakeshore Drive, Holland, MI 49424 (US). PIERCE, Mark, W.;

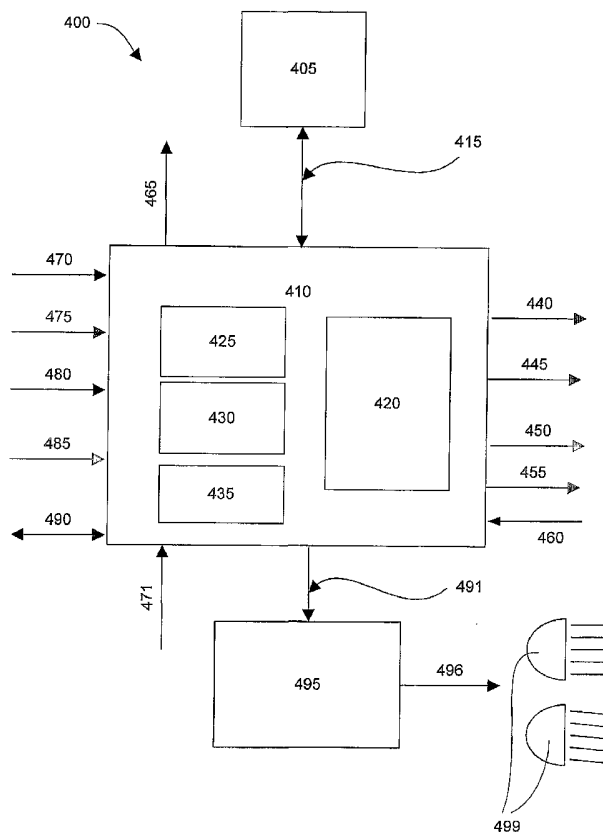
4717 - 60th Street, S.W., Grandville, MI 49418 (US). BECHTEL, John, H.; 136 Sunrise Drive, Holland, MI 49423 (US). SPENCE, William, R.; 2809 112th Avenue, Holland, MI 49424 (US). TURNBULL, Robert, R.; 3950 Vermae Drive, Holland, MI 49424 (US). EID, El-Sayed; 13292 Wurtsboro Drive, Holland, MI 49424 (US).

(74) Agent: SHULTZ, James, E. Jr.; Gentex Corporation, 600 North Centennial, Zeeland, MI 49464 (US).

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[Continued on next page]

(54) Title: MONITORING AND AUTOMATIC EQUIPMENT CONTROL SYSTEMS.



(57) Abstract: An automatic vehicle equipment control system (405) configured to communicate with a processing and control system (410) via a communication interface (415). Processing and control system (410) comprises processor (420), ambient light sensor (425), glare light sensor (430) and electro-optic mirror element automatic drive control circuit (435) as well as various inputs (470-485) and control outputs (440-455). Exterior light controller (495) may comprise a plurality of individual outputs (496) for independent control of various exterior lights (499).

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# INTERNATIONAL SEARCH REPORT

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<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC(7) : G06F 19/00; H01L 27/00; B60Q 1/08; H04N 5/335 US CL : 701/49; 250/208.1 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) U.S. : 701/49, 36; 250/208.1, 214.1; 348/118 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 6,515,271 B1 (SHIMIZU) 04 February 2003 (04.02.2003), Figure 4, column 3, lines 46-63; column 6, lines 6-58; column 7, lines 1-40; column 9, lines 11-13; column 12, lines 10-12, 42-50	1-15, 18, 19, 24-29, 36, 37, 40-45, 48, 49, 54-59, 68 ----- 16, 17, 20-23, 31-33, 38, 39, 46, 47, 50-53, 63
X	US 6,008,486 A (STAM et al.) 28 December 1999 (28.12.1999), column 3, lines 35-55	28, 29
X	WO 99/55082 A1 (CONEXANT SYSTEMS, INC.) 28 October 1999 (28.10.1999), Abstract, Figure 1	28, 29, 40
Y	US 5,796,094 A (SCHOFIELD et al.) 18 August 1998 (18.08.1998), Abstract, Figure 3, column 3, line 57 to col. 4, line 61, column 5, lines 13-15, column 8, lines 37-47, column 11, lines 58-64	16, 17, 20-23, 31-33, 38, 39, 46, 47, 50-53, 63
A	US 6,049,171 A (STAM et al.) 11 April 2000 (11.04.2000), Figure 2, columns 18-19	
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
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"P"	document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer Michael J. Zanelli Telephone No. (703) 308-1113

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## C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,373,497 B1 (McKNIGHT et al.) 16 April 2002 (16.04.2002)	
A	US 5,654,755 A (HOSIER) 05 August 1997 (05.08.1997)	
A,E	US 6,836,290 B1 (CHUNG et al.) 28 December 2004 (28.12.2004)	
A,P	US 2003/0210334 A1 (SAWARI) 13 November 2003 (13.11.2003)	
A,P	US 6,806,485 B2 (JACKSON, JR.) 19 October 2004 (19.10.2004)	
A	US 6,396,397 B1 (BOS et al.) 28 May 2002 (28.05.2002)	
A.	US 6,480,180 B1 (MOON) 12 November 2002 (12.11.2002)	
A	US 5,990,469 A (BECHTEL et al.) 23 November 1999 (23.11.1999)	
A	JP 06-14252 A (SONY CORP.) 21 January 1994 (21.01.1994)	

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Continuation of B. FIELDS SEARCHED Item 3:

USPTO&PUB; EPO; JPO; DERWENT

search terms: imager, camera, vehicle, headlight; transceiver; temperature; glare; ambient light; mirror; automatic control