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[Continued on next page]

(54) Title: VISION SYSTEM FOR DEPLOYING SAFETY SYSTEMS

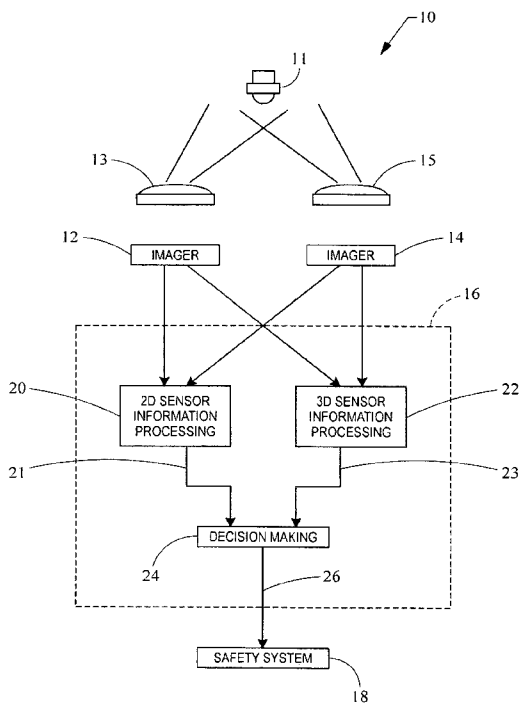


Fig. 1

(57) Abstract: A control system for safety deployment. The control system includes a processor, a first imaging sensor, and a second imaging sensor. The first and second imaging sensor are in electrical communication with the processor. The processor generates a safety system activation decision based on two-dimensional information received from the first imaging sensor and three-dimensional information based on the first and second imaging sensor.

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<p>B. FIELDS SEARCHED</p> <p>Minimum documentation searched (classification system followed by classification symbols) USPC: 382/100</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC: 382/100; 700/96 (keyword limited - see terms below)</p> <p>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) PubWEST(PGPB,USPT,USOC,EPAB,JPAB), Google Scholar Search Terms Used: crash, collision, airbag, 2D, 3D, two-dimensional, three-dimensional, vehicle, automobile, car, object, track, trajectory, velocity, speed, position, image, video, sensor, safety, system</p>												
<p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p> <table border="1"> <thead> <tr> <th>Category*</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X — Y</td> <td>US 2008/0049975 A1 (STIEGLER) 28 February 2008 (28.02.2008), entire document, especially; para [0024], [0045]-[0046]; Fig. 1</td> <td>1-13, 15-21 ----- 14</td> </tr> <tr> <td>Y</td> <td>US 2007/0152803 A1 (HUANG et al.) 05 July 2007 (05.07.2007), para [0016]</td> <td>14</td> </tr> </tbody> </table>			Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X — Y	US 2008/0049975 A1 (STIEGLER) 28 February 2008 (28.02.2008), entire document, especially; para [0024], [0045]-[0046]; Fig. 1	1-13, 15-21 ----- 14	Y	US 2007/0152803 A1 (HUANG et al.) 05 July 2007 (05.07.2007), para [0016]	14	
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<p>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. 571-273-3201</p>		<p>Authorized officer: Lee W. Young</p> <p>PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774</p>										