

EXHIBIT 1302

U.S. PATENT NO. 8,599,001 B2 FOR *VEHICULAR VISION SYSTEM*,

ISSUED TO SCHOFIELD ET AL. ON DECEMBER 3, 2013

("THE '001 PATENT")

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PETITION FOR *INTER PARTES* REVIEW  
OF U.S. PATENT NUMBER 8,599,001



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**Schofield et al.**

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- (54) **VEHICULAR VISION SYSTEM**
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(51) **Int. Cl.**  
**B60Q 1/00** (2006.01)

(52) **U.S. Cl.**  
USPC ..... **340/425.5; 340/438; 340/937; 348/148; 348/151**

(58) **Field of Classification Search**  
USPC ..... **340/425.5, 438, 815.4, 426, 433, 937; 348/148, 151**  
See application file for complete search history.

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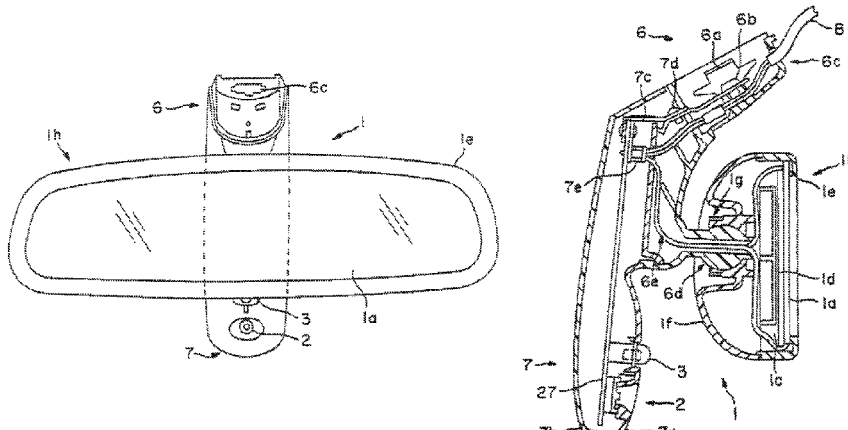
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(57) **ABSTRACT**

A vehicular vision system includes a control and an imager having a lens and a CMOS photosensor array. The imager is disposed at an interior portion of a vehicle and views exterior of the vehicle through a windshield of the vehicle and forward of the vehicle. The control includes an image processor for processing image data captured by the photosensor array. The image processor processes captured image data to detect an object viewed by said imager. The photosensor array may be operable at a plurality of exposure periods that include a first exposure period and a second exposure period, with the time period of exposure of the first exposure period being longer than the time period of exposure of the second exposure period. The imager may be disposed in a module attached at the windshield of the vehicle.

**109 Claims, 25 Drawing Sheets**



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