

Title (en)

STEREO NIGHT VISION SYSTEM FOR VEHICLES

Title (de)

STEREO-NACHTSICHTSYSTEM FÜR FAHRZEUGE

Title (fr)

SYSTEME DE VISION NOCTURNE STEREOSCOPIQUE POUR VEHICULES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2004028169A2] The invention relates to a night vision system for vehicles. According to the invention, the road in front of the vehicle is stereoscopically recorded via two night vision-capable cameras, e.g. infrared or low-light-level cameras that are mounted in the front of the vehicle at a distance from one another. Corresponding stereoscopic image display devices permit the driver to observe the road in front of the vehicle in three-dimensions. Objects located in front of the vehicle can be detected in critical areas by means of additional image evaluating devices and can be differently accentuated or marked in the image representation. The night vision system can be designed to also permit a two-dimensional display of images or data alternatively or in conjunction with 3D representation. In an enhanced embodiment, head movements and/or the line of sight of the driver are/is detected and used for a corresponding tracking of the image display.

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IPC 8 full level

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Citation (search report)

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