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(54) **ILLUMINATION DEVICE FOR VEHICLES**

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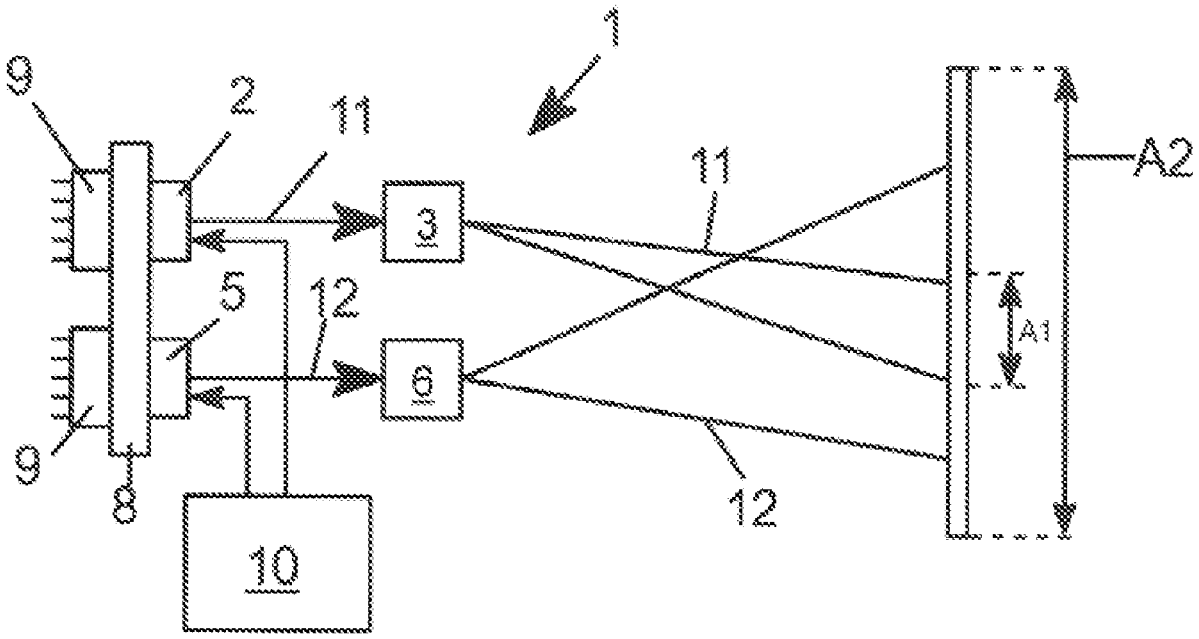
(57) **ABSTRACT**

An illumination device having a first and second light module each having a light source and an optical unit for generating a first illumination region and a second illumination region, respectively. A control unit controls the first light module and the second light module, so that a larger number of light pixels are imaged in the first illumination region than in the second illumination region with respect to a surface of equal size, wherein the light pixels of the first light module have a greater illumination intensity than the light pixels of the second light module. The control unit acts upon the light sources of the first light module or the second light module such that the light sources of the first and second light module are each operated with a thermal output within a tolerance band and below a maximum thermal output of the at least one light source.