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**SAKURADA et al.**(10) **Pub. No.: US 2022/0369440 A1**(43) **Pub. Date: Nov. 17, 2022**(54) **MARKING DEVICE, SYSTEM, AND  
CONTROL METHOD****Publication Classification**(71) Applicant: **TOYOTA JIDOSHA KABUSHIKI  
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(57)

**ABSTRACT**

A marking device includes each of a plurality of pedestrian light sources that is provided on a roadway and that emits light in at least one of a first direction and a second direction along a width direction of the roadway, each of a plurality of vehicle light sources that is provided on the roadway and that emits light in at least one of a third direction and a fourth direction along an extension direction of the roadway, and a control unit that separately controls the pedestrian light sources and the vehicle light sources. The control unit lights the pedestrian light sources, causing them to mark a first pedestrian crossing to be visually recognized by a pedestrian who is going to cross the roadway, and lights the vehicle light sources, causing them to mark a second pedestrian crossing to be visually recognized by a driver of a vehicle.

