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(19) **United States**(12) **Patent Application Publication**
HUDSON et al.(10) **Pub. No.: US 2021/0150246 A1**(43) **Pub. Date: May 20, 2021**(54) **DEVICE, METHOD AND SYSTEM FOR
DETECTING PARKING IN A NO PARKING
AREA***G06T 7/13* (2006.01)*G06T 7/70* (2006.01)*E01F 13/02* (2006.01)*E01F 9/615* (2006.01)(71) Applicant: **Municipal Parking Services, Inc.**,
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SCHMIDT, Minnetonka, MN (US)CPC *G06K 9/3241* (2013.01); *G06K 9/00624*
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9/00771 (2013.01); *G06T 7/70* (2017.01)(57) **ABSTRACT**

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Oct. 26, 2018, now Pat. No. 10,885,367.(60) Provisional application No. 62/577,699, filed on Oct.
26, 2017.**Publication Classification**(51) **Int. Cl.***G06K 9/32* (2006.01)*G06K 9/00* (2006.01)

A parking enforcement device can be secured to a surface adjacent to the area designated as NO PARKING. The enforcement device can include a camera aimed towards the area designated as NO PARKING and monitor this area for the entry of a vehicle. A parking violation is determined to have occurred upon determining that the vehicle has entered the area designated as NO PARKING, and image data of the entry of a vehicle into the NO PARKING area that was captured by the camera can be relayed to a remote computing system. The parking enforcement device can be provided as a bollard that includes a camera secured to a center pole extending vertically upwards inside of the bollard. The camera can be located along the center pole so that the camera views outward from the bollard via a window section of the bollard.

