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(71) Applicant: **BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.** [CN/CN]; Building 34, No. 8 Dongbeiwang West Road, Haidian District, Beijing 100193 (CN).

(72) Inventor: **MA, Teng**; Room 201, 2/F, Building 3, No. 29 Dongbeiwang South Road, Haidian District, Beijing 100193 (CN).

(74) Agent: **METIS IP (CHENGDU) LLC**; (No. 846 South Tianfu Road) Tianfu Innovation Center, Chengdu, Sichuan 610213 (CN).

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(54) Title: A HIGH-DEFINITION MAP ACQUISITION SYSTEM

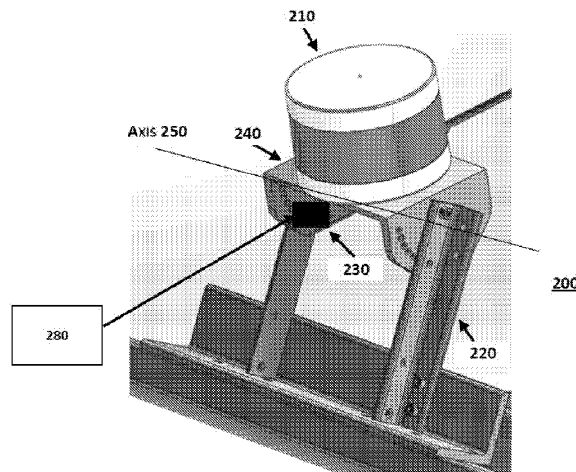


FIG. 2

(57) Abstract: Methods and systems for acquiring map data are provided. The system may include a mounting structure (200) configured to adjustably mount a sensor (210) to a vehicle. The sensor (210) may be configured to capture data indicative of at least one surrounding object as the vehicle travels along a path. The system may further include a controller (280) configured to dynamically determine a mounting angle based on the captured data, and cause the mounting structure (200) to adjust the sensor (210) according to the dynamically determined mounting angle.

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