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(54) **ANGLE MEASURING DEVICE AND METHODS FOR CALIBRATION**

(71) Applicant: **DigiPas USA, LLC**, Avon, CT (US)

(72) Inventors: **Jim Li Hui Hong**, Singapore (SG);
Kuu Bi Yong, Singapore (SG)

(73) Assignee: **DigiPas USA, LLC**, Avon, CT (US)

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See application file for complete search history.

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Primary Examiner — Yaritza Guadalupe-McCall
(74) *Attorney, Agent, or Firm* — McCormick, Paulding & Huber LLP

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(57) **ABSTRACT**

The invention relates to a method for calibration of 2-axis high precision digital angle measurement device, particularly for initializing a planar angle measuring device and an apparatus to generate simultaneous two-dimensional resultant planar angles of full 360° rotation. The planar angle measurement device is, typically but not exclusively, used in concurrent two-dimensional angles leveling, setting and alignment tasks for precision machine setup in the fields of precision engineering and metrology applications.

20 Claims, 6 Drawing Sheets

