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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
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[Continued on next page]

(54) Title: SYSTEMS AND METHODS FOR BRAKE SENSING

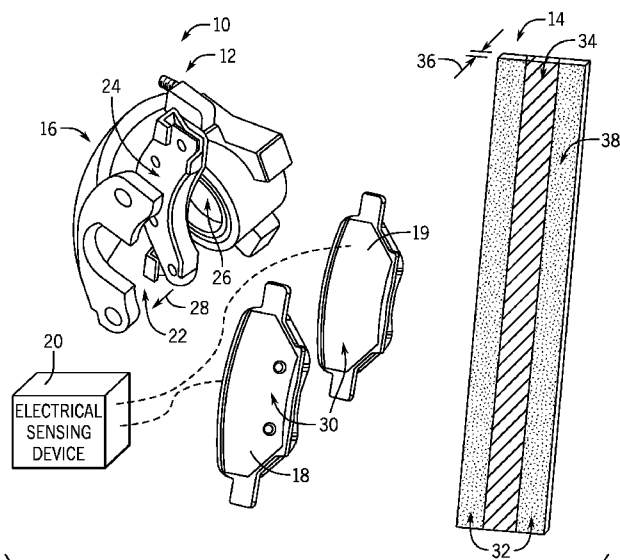


FIG. 1

(57) Abstract: Present embodiments relate generally to brake systems (10), and more specifically, to caliper-based brake systems. In an embodiment, a method includes electrifying at least a portion of a first inner surface (30) of a first brake block (18) with a first potential. The method also includes electrifying at least a portion of a second inner surface (30) of a second brake block (19) with a second potential that is different from the first potential. The method includes performing an electrical measurement between the first brake block (18) and the second brake block (19), wherein the electrical measurement include a voltage measurement, a current measurement, a resistance measurement, a frequency measurement, or a combination thereof. The method further includes determining a position of the first and brake blocks (18, 19) relative to a brake member (14) based on the electrical measurement.



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