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(54) **BIOSENSOR**

(75) Inventors: **Shiming Lin**, Taipei (TW); **Bor-Ching Sheu**, Tainan (TW); **Luan-Yin Chang**, Taipei (TW); **Chih-Chen Lin**, Kaohsiung County (TW)

(73) Assignee: **National Taiwan University**, Taipei (TW)

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USPC **204/400**; 435/287.1; 435/7.9

(58) **Field of Classification Search**

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See application file for complete search history.

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Primary Examiner — Luan Van

Assistant Examiner — Gurpreet Kaur

(74) Attorney, Agent, or Firm — Abraham Hershkovitz; Hershkovitz & Associates, PLLC

(57) **ABSTRACT**

Embodiments of the present disclosure set forth a biosensor for detecting a target. One example sensor includes a first electrode. The first electrode includes a first electron conducting molecule and a first probe. The first probe includes a second electron conducting molecule. The first probe is configured to bind to the target of interest in solution. The first and second electron conducting molecules are different.

34 Claims, 12 Drawing Sheets

