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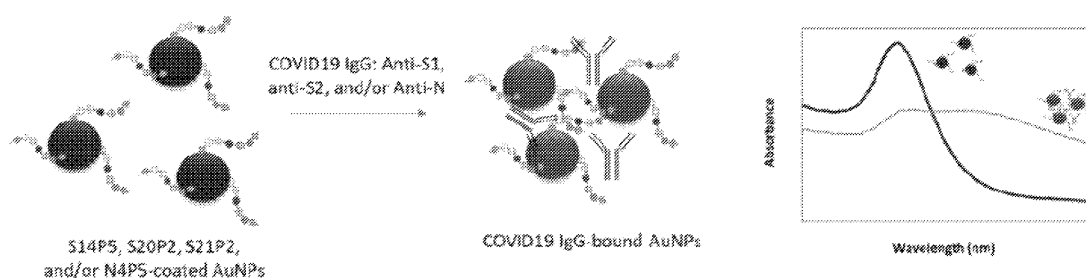
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Declarations under Rule 4.17:

- of inventorship (Rule 4.17(iv))
- as to non-prejudicial disclosures or exceptions to lack of novelty (Rule 4.17(v))

(54) Title: NANOSENSOR FOR DETECTING SARS-CoV-2 SPECIFIC ANTIBODIES

Fig. 1C



(57) Abstract: The present invention relates to a nanosensor for detecting SARS-CoV-2 specific antibodies, wherein the nanosensor comprises a metal nanoparticle functionalised with one or more B-cell linear peptide epitopes derived from the spike (S) protein or nucleocapsid (N) protein of SARS-CoV-2. In some preferred embodiments, the metal nanoparticle comprises gold, silver, or a combination of gold and silver. The present invention also relates to various methods involving the use of the nanosensor.

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