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(54) Title: MULTIVALENT ANTI-SPIKE PROTEIN BINDING MOLECULES AND USES THEREOF

(57) Abstract: The present disclosure provides multivalent anti-spike protein binding molecules, comprising multimerization moieties linked to anti-spike protein antigen-binding domains, that specifically bind to RBD regions of SARS-CoV and/or SARS-CoV-2. The present disclosure further relates to the methods of producing the multivalent anti-spike protein binding molecules, pharmaceutical compositions comprising of the multivalent anti-spike protein binding molecules, and methods of use of the multivalent anti-spike protein binding molecules to treat conditions associated with SARS-CoV and SARS-CoV-2 infections, such as COVID-19.