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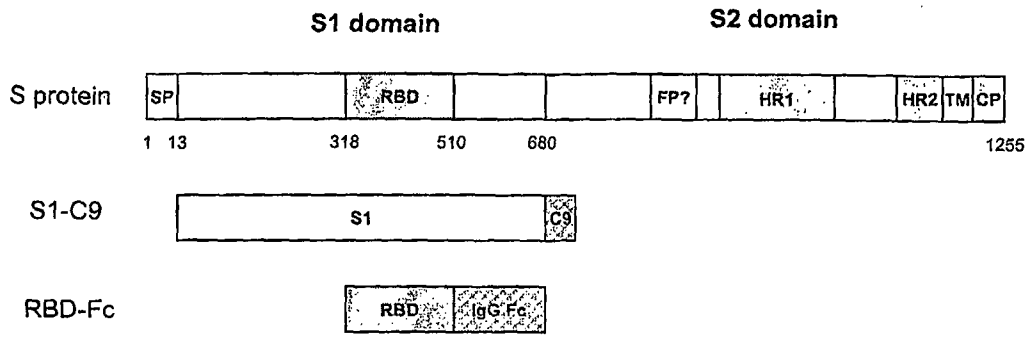
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**Declarations under Rule 4.17:**

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*[Continued on next page]*

(54) Title: SARS VACCINES AND METHODS TO PRODUCE HIGHLY POTENT ANTIBODIES




(57) Abstract: This invention provides a vaccine comprising an effective amount of an isolated polypeptide or recombinant protein containing the sequence of the receptor-binding domain in the SARS associated coronavirus spike protein or a functional fragment thereof, or a nucleic acid molecule comprising the sequence of a fragment which encodes the sequence of the receptor-binding domain in the Severe Acute Respiratory Syndrome associated coronavirus spike protein or a functional fragment thereof. This invention provides a composition for increasing the immunogenicity of an antigen comprising an effective amount of an antigen and an IgG Fc domain, its functional fragment, or a substance containing an IgG Fc domain or its functional fragment. The antigen and the IgG Fc may be linked or unlinked. Finally, this invention also provides method for using any of the above compositions for immunization.

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— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)*

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