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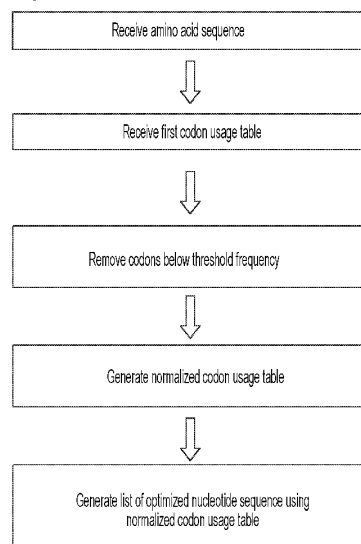
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(54) Title: OPTIMIZED NUCLEOTIDE SEQUENCES ENCODING SARS-COV-2 ANTIGENS

Figure 1A



(57) Abstract: The present invention relates to optimized nucleotide sequence encoding SARS-CoV-2 antigens. These sequences are particularly suitable for use in vaccine compositions for the treatment or prevention of infections caused by a β -coronaviruses, including COVID-19 infections, in a human or animal subject in need of such treatment.

WO 2021/226436 A1

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