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(71) Applicant: **GLOBAL LIFE SCIENCES SOLUTIONS CANADA ULC** [CA/CA]; Global Life Sciences Solutions Canada ULC, 50-655 West Kent Avenue N, Vancouver, British Columbia V6P 6T7 (CA).

(71) Applicant (for MG only): **GLOBAL LIFE SCIENCES SOLUTIONS OPERATIONS UK LIMITED** [GB/GB]; 19 Jessops Riverside, 800 Brightside Lane, Sheffield Yorkshire S9 2RX (GB).

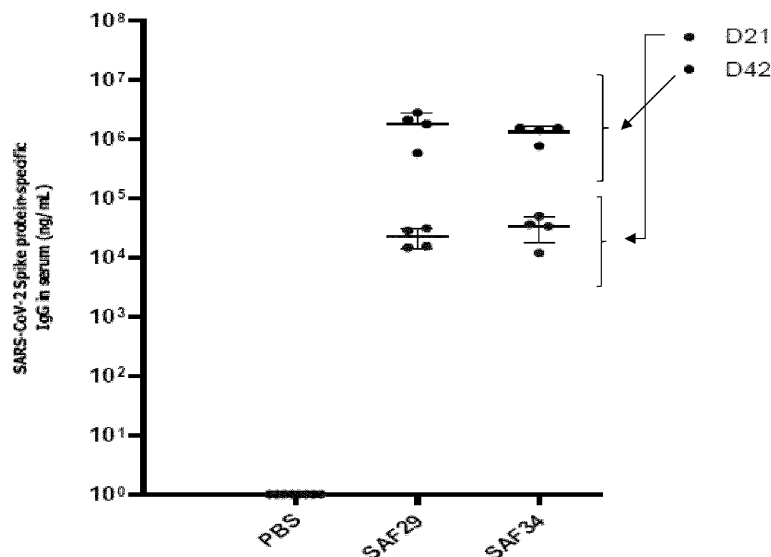
(72) Inventors: **ABBINA, Srinivas**; Global Life Sciences Solutions Canada ULC, 50-655 West Kent Avenue N, Vancouver, British Columbia V6P 6T7 (CA). **THOMAS, Anitha**; Global Life Sciences Solutions Canada ULC, 50-655 West Kent Avenue N, Vancouver, British Columbia V6P 6T7 (CA). **YAZDANI-AHAMADABADI, Hossein**; Global Life Sciences Solutions Canada ULC, 50-655 West Kent Avenue N, Vancouver, British Columbia V6P 6T7 (CA). **SON, Helena**; Global Life Sciences Solutions Canada ULC, 50-655 West Kent Avenue N, Vancouver, British Columbia V6P 6T7 (CA).

(74) Agent: **BANNAN, Sally** et al.; Cytiva, Amersham Place, Little Chalfont Buckinghamshire HP7 9NA (GB).

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(54) Title: POLYVINYLPYRROLIDONE STABILIZING AGENTS, COMPOSITIONS, USES, AND MANUFACTURING METHODS THEREOF

FIG. 3B



(57) Abstract: The invention provides stabilizing agents, compositions, methods of manufacturing, and uses thereof. In one aspect, a lipid nanoparticle composition includes: (a) an ionizable lipid; (b) two or more lipids; and (c) a stabilizing agent of formula (I) and a method for preparing the stabilizing agent and the lipid nanoparticle are provided.

[Continued on next page]

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