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[Continued on next page]

## (54) Title: PLATELET STORAGE USING A SIALIDASE INHIBITOR

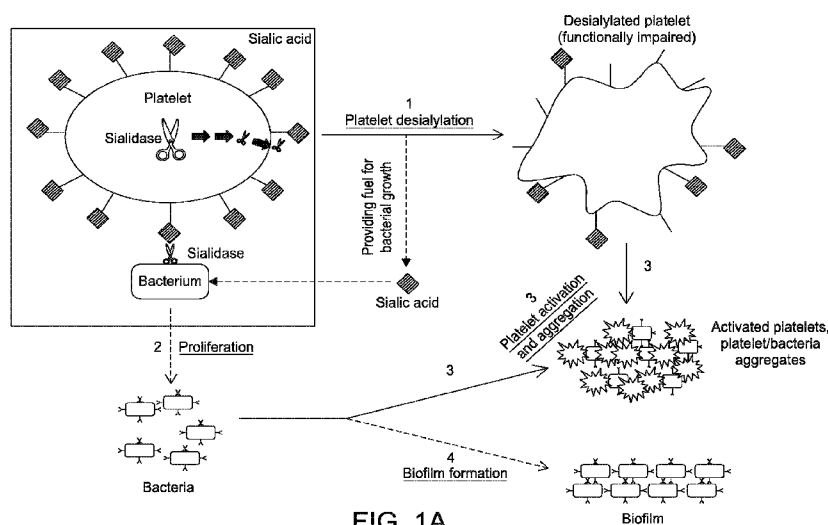


FIG. 1A

(57) Abstract: The present invention relates to a platelet additive solution (PAS) having an amount of one or more sialidase inhibitors and optionally one or more glycan-modifying agents; and one or more of PAS components that includes a salt, a citrate source, a carbon source, and any combination thereof. The present invention also relates to methods, compositions and kits for increasing the in vivo circulation time of isolated platelets by storing the platelets with one or more sialidase inhibitors. Additionally, the present invention relates to methods and compositions for reducing sialidase activity and inhibiting bacterial proliferation of one or more bacteria in a platelet product preparation from one or more donors.

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## INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
 INV. A01N1/00 A61K35/14 A01N1/02  
 ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A01N A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                                                                                                                                                                                       | Relevant to claim No.                         |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| X         | GERARD JANSEN ET AL: "Surface Sialic Acid Prevents Loss of GPIb{alpha} during Platelet Storage and Rescues In Vivo Survival of Murine Platelets", BLOOD, AMERICAN SOCIETY OF HEMATOLOGY, US, vol. 110, no. 11, 1 January 2007 (2007-01-01), XP009173318, ISSN: 0006-4971 | 44,45,<br>56,57,<br>79,80,<br>83,<br>86-90,96 |
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| Y         | US 5 459 030 A (LIN LILY [US] ET AL)<br>17 October 1995 (1995-10-17)<br>column 21, line 34 - line 67; table 2<br>column 22, line 1 - line 16; claims<br>24,32-43                                                                                                         | 1-96                                          |



Further documents are listed in the continuation of Box C.



See patent family annex.

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search

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| C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT |                                                                                                                                                         |                       |
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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