United States Patent [19]

Eustache

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[54] **EXTRACTION OF GLYCOPROTEINS AND SIALIC ACID FROM WHEY**

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[30] **Foreign Application Priority Data**

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[51] **Int. Cl.**[2] **A23J 1/20**; B01D 13/00; C07G 7/00

[52] **U.S. Cl.** ..... **260/112 R**; 210/23 F; 426/583

[58] **Field of Search** ..... 260/112 R; 210/23 F, 210/321 R; 426/583

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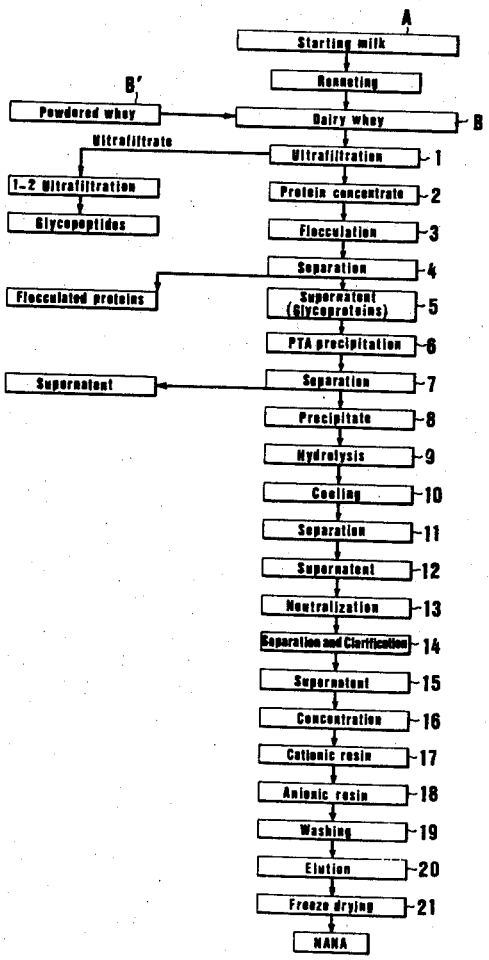
[57] **ABSTRACT**

Process for the treatment of dairy or casein factory whey, notably for the extraction of glycoproteins and sialic acid.

The process includes ultrafiltration of casein whey, thermal flocculation of the proteins of the ultrafiltration retentate, phosphotungstic treatment of the supernatent obtained from the flocculation step, acid hydrolysis of the precipitate and treatment of the hydrolysis supernatent for the extraction of N-acetyl neuraminic acid (NANA).

34 Claims, 1 Drawing Figure