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- (71) **Applicant: AIR PRODUCTS AND CHEMICALS, INC.**
[US/US]; 1940 Air Products Boulevard, Allentown, Penn-
sylvania 18106-5500 (US).
- (72) **Inventor: O'BRIEN, Matthew P.**; 4267 Glendale Road,
House Springs, Missouri 63051 (US).
- (74) **Agent: TREXLER, Amy**; 1940 Air Products Boulevard,
Allentown, Pennsylvania 18106-5500 (US).
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(54) **Title:** 4-STAGE MEMBRANE PROCESS WITH SWEEP FOR BIOGAS UPGRADING

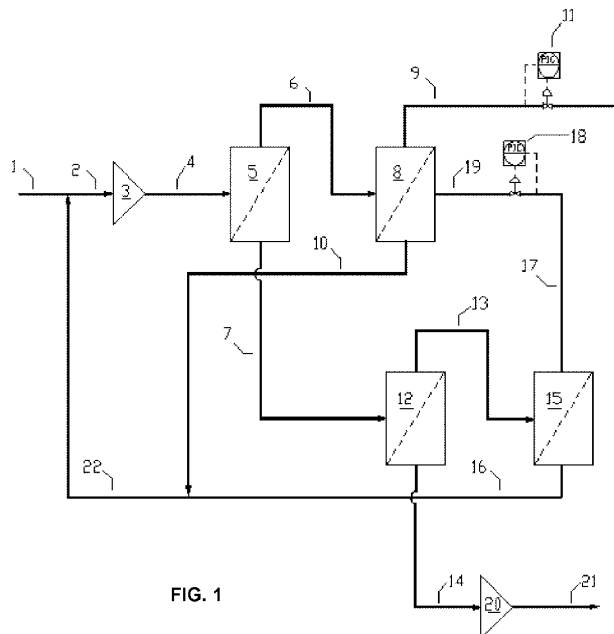


FIG. 1

(57) **Abstract:** Disclosed herein are membrane-based gas separation methods and systems. The methods and systems may, in particular, be used for separating a feed stream comprising methane and carbon dioxide (such as for example a biogas feed stream) in order to provide a methane product stream (such as for example a biomethane stream).

[Continued on next page]

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