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- (71) Applicant: **TECHNIP ENERGIES FRANCE** [FR/FR];
2126 Boulevard de la Défense, Immeuble Origine - CS
10266, 92741 Nanterre Cedex (FR).
- (72) Inventor: **ELSEVIERS, Wim**; c/o TECHNIP ENERGIES
FRANCE, 2126 Boulevard de la Défense, Immeuble Origine - CS 10266, 92741 Nanterre Cedex (FR).
- (74) Agent: **WITHERS & ROGERS LLP** et al.; Kaulbachstr.
114, 80802 Munich (DE).
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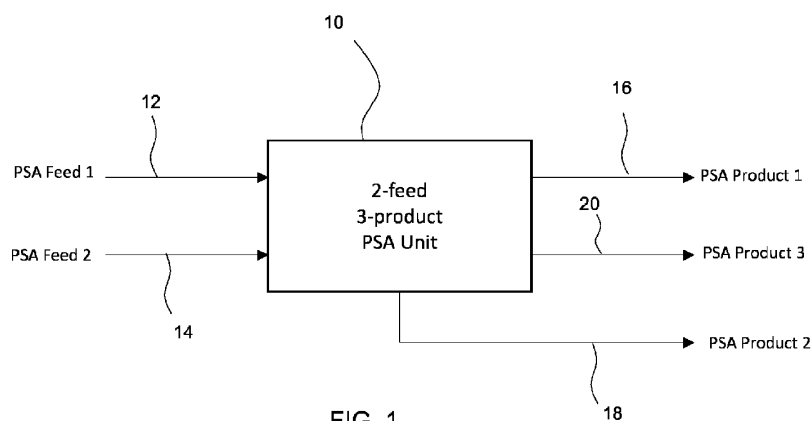


FIG. 1

(57) Abstract: A method for producing a plurality of product gas streams by a pressure swing adsorption (PSA) unit is described. The method comprises: receiving a first feed gas stream having a first pressure; receiving a second feed gas stream having a second pressure that is lower than the first pressure; producing at least a first product stream, a second product stream, and a third product stream without compressing the second feed gas stream to a pressure level corresponding to the first pressure.



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