

ABSTRACT OF THE DISCLOSURE

COMBINED CRYOGENIC DISTILLATION AND PSA FOR ARGON PRODUCTION

5 A method and apparatus for producing high purity argon by combined cryogenic distillation and adsorption technologies is disclosed. Crude argon from a distillation column or a so-called argon column is passed to a system of adsorption vessels for further purification. Depressurization gas from adsorption is introduced back, in a controlled manner, to the distillation column and/or a compressor or other means for increasing pressure. Particulate filtration and getter purification may optionally be used.

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Figure 1

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