ABSTRACT

PRODUCTION OF ULTRA-HIGH PURITY OXYGEN FROM CRYOGENIC AIR SEPARATION PLANTS

The present invention relates to an improvement to cryogenic air separation processes which produce an ultra-high purity oxygen product and nitrogen and/or commercial purity oxygen products. In particular, the improvement of the present invention is characterized by removing a portion of liquid descending the distillation column system from the distillation section proximate to the location for withdrawing the oxygen-containing side-draw stream.

(Figure 2)