

Title (en)
Process and apparatus for the production of impure oxygen.

Title (de)
Verfahren und Apparat zur Herstellung unreinen Sauerstoffs.

Title (fr)
Procédé et installation de production d'oxygène impur.

Publication
EP 0547946 A1 19930623 (FR)

Application
EP 92403330 A 19921209

Priority
FR 9115705 A 19911218

Abstract (en)
According to this process: - the intermediate pressure column (2) is operated at a pressure higher than 6 bars and preferably of at least approximately 9 bars absolute; - a first vaporization gas which is less volatile than nitrogen from the top of the intermediate pressure column (2) is condensed in the vessel condenser (8) of the low pressure column (3); and - nitrogen from the top of the intermediate pressure column is condensed and is then conveyed as reflux to the top of the intermediate pressure column, at a level of the low pressure column (3) which is situated above the said vessel condenser (8). Application to twin-column air distillation plants coupled to a gas turbine. <IMAGE>

Abstract (fr)
Suivant ce procédé : on fait fonctionner la colonne moyenne pression (2) sous une pression supérieure à 6 bars et de préférence au moins égale à 9 bars absolus environ; on condense dans le condenseur de cuve (8) de la colonne basse pression (3) un premier gaz de vaporisation moins volatil que l'azote de tête de la colonne moyenne pression (2); et on condense de l'azote de tête de la colonne moyenne pression, que l'on envoie ensuite en reflux en tête de la colonne moyenne pression, à un niveau de la colonne basse pression (3) situé au-dessus dudit condenseur de cuve (8). Application aux installations de distillation d'air à double colonne couplées à une turbine à gaz. <IMAGE>

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Citation (search report)
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