

Title (en)

Combined oven and air separation plant and method of application

Title (de)

Kombinierte Ofen und Lufttrennungsanlage und Verfahren zur Anwendung

Title (fr)

Installation combinée d'un four et d'un appareil de distillation d'air et procédé de mise en oeuvre

Publication

EP 0932006 A1 19990728 (FR)

Application

EP 99400150 A 19990122

Priority

FR 9800722 A 19980123

Abstract (en)

A combined installation comprises a furnace(s), an air distillation apparatus incorporating a medium pressure column(s) and a mixing column having an oxygen outlet line for supplying the furnace, a blowing engine(s) feeding at least the furnace and the medium pressure column, and an air compressor(s) supplying at least the mixing column with air under a pressure greater than the pressure of the air supplied by the blowing engine. A combined installation comprises at least one furnace (F), at least one air distillation apparatus incorporating at least one medium pressure column (MP) and a mixing column (CM) having an oxygen outlet line (O) for supplying the furnace (F), at least one blowing engine (S) feeding at least the furnace (F) and the medium pressure column (MP), and at least one air compressor (C) supplying at least the mixing column (CM) with air under a pressure greater than the pressure of the air supplied by the blowing engine (S). An Independent claim is also included for a method used to put this combined installation into service for supplying oxygen enriched air to the furnace. The main characteristics of the method are: (a) the medium pressure column (MP) is fed uniquely with compressed air supplied by the furnace blowing engine; and (b) the medium pressure column (MP) is fed equally with compressed air supplied by at least one compressor stage on the same line that feeds the mixing column.

Abstract (fr)

L'installation combinée comprend au moins un four (F), au moins un appareil de distillation d'air comportant au moins une colonne moyenne pression (MP) et une colonne de mélange (CM) ayant une ligne de sortie d'oxygène (O) pour fourniture au four (F), au moins une soufflante (S) alimentant au moins le four (F) et la colonne moyenne pression (MP), et au moins un compresseur d'air (C) fournissant à au moins la colonne de mélange (CM) de l'air sous une pression supérieure à la pression de l'air fourni par la soufflante (S) <IMAGE>

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IPC 8 full level

C21B 5/00 (2006.01); **F25J 3/04** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

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