

Title (en)

A GAS REFORMULATION SYSTEM COMPRISING MEANS TO OPTIMIZE THE EFFECTIVENESS OF GAS CONVERSION

Title (de)

GASREFORMULIERUNGSSYSTEM MIT MITTELN ZUR OPTIMIERUNG DER EFFEKTIVITÄT DER GASUMWANDLUNG

Title (fr)

SYSTÈME DE REFORMULATION DE GAZ COMPRENANT DES MOYENS D'OPTIMISATION DE L'EFFICACITÉ DE CONVERSION D'UN GAZ

Publication

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Application

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- US 95032207 P 20070717
- US 98621307 P 20071107
- US 98621207 P 20071107
- CA 2008000355 W 20080227
- US 4257108 P 20080404

Abstract (en)

[origin: KR20100044853A] This invention provides a system and method for efficient reformulation of an initial gas with associated characteristics into an output gas with desired characteristic parameters, within a substantially sealed, contained, and controlled environment. The gas reformulating system uses a gas energizing field to disassociate the initial gas molecules and molecules of injected process additives of appropriate types and amounts, into their constituents that then recombine to form the output gas with the desired parameters. The gas reformulating system further comprises a control system that regulates the process and thereby enables the process to be optimized. The gas energizing field may be provided at least partly by hydrogen burners or plasma torches.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [XI] WO 2006128286 A1 20061207 - PLASCO ENERGY GROUP INC [CA], et al
- [XI] WO 2006128285 A1 20061207 - PLASCO ENERGY GROUP INC [CA], et al
- See references of WO 2008138117A1

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