

Title (en)

MODULES AND SYSTEM FOR THE PREPARATION OF HIGH-ENERGY FUELS AND FOR RECYCLING EXHAUST EMISSIONS

Title (de)

MODULE UND SYSTEM ZUR HERSTELLUNG VON HOCHENERGETISCHEN BRENNSTOFFEN UND ZUR ABGASRÜCKFÜHRUNG

Title (fr)

MODULES ET SYSTÈME DE PRÉPARATION DE CARBURANTS HAUTE ÉNERGIE ET DE RECYCLAGE D'ÉMISSIONS D'ÉCHAPPEMENT

Publication

EP 4321747 A1 20240214 (EN)

Application

EP 22190034 A 20220811

Priority

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Abstract (en)

The present invention relates to a treatment module for creating a treated fluid mixture, particularly a hybrid multiphase carbon-hydrogen-oxygen fuel mixture, the treatment module comprising a fluid inlet and a fluid outlet; a reactor chamber fluidly connected to the fluid inlet and the fluid outlet; a cathode arranged within an electrode container and an anode which are arranged to provide an ionizing discharge, particularly a corona barrier discharge, between the anode and the cathode; wherein the treatment module is configured to receive a fluid via the fluid inlet, allowing the fluid to flow through the reactor chamber, and to release the a treated fluid via the fluid outlet, a system comprising the treatment module and a method for creating the fluid mixture.

IPC 8 full level

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Citation (applicant)

- GB 2169225 A 19860709 - MECANIQUE GENERALE SOCIETE IND
- RU 2131982 C1 19990620 - KURNIKOV ALEKSANDR SERAFIMOVIC, et al

Citation (search report)

- [X] EP 1189319 A1 20020320 - MOTOUCHI KYOKO [JP], et al
- [XYI] EP 3563643 A1 20191106 - PURE BIO SYNERGY SWEDEN AB [SE]
- [XY] EP 2180172 A1 20100428 - IMAGINEERING INC [JP]

Designated contracting state (EPC)

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