

Title (en)

POWER SYSTEM INDEPENDENT OF THE AMBIENT AIR FOR BURNING PROPELLANT COMBINATIONS

Publication

EP 0187212 B1 19880601 (DE)

Application

EP 85113754 A 19851029

Priority

DE 3443984 A 19841201

Abstract (en)

[origin: US4663933A] A drive aggregate is operated independently from the availability of external air, by using a fuel being composed of a blend of hydrocarbons and metal, e.g. lithium hydrides in a pasty, pumpable, i.e., fluidized, condition, and a metal chlorate, e.g., lithium chlorate or metal perchlorate is used as an oxidizer, having been rendered fluid in a high concentration by the addition of water so that the oxidizer, when decomposing, yields oxygen which combines with hydrogen released from the fuel. Reaction products remain, or are pumped into the tanks or into the ambient sea.

IPC 1-7

C06B 27/00; **F42B 19/20**

IPC 8 full level

C10L 1/00 (2006.01); **F01K 3/18** (2006.01); **F23C 99/00** (2006.01); **F42B 19/20** (2006.01)

CPC (source: EP US)

C10L 1/00 (2013.01 - EP US); **F01K 3/188** (2013.01 - EP US); **F23C 99/00** (2013.01 - EP US); **F42B 19/20** (2013.01 - EP US)

Cited by

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DE 3443984 A 19841201; EP 85113754 A 19851029; US 80271085 A 19851127