

Title (en)
Electric power generating set, and related control device

Title (de)
Stromerzeugungssatz und zugehörige Steuerungsvorrichtung

Title (fr)
Ensemble de génération d'énergie électrique et dispositif de commande associé

Publication
EP 2865871 A1 20150429 (EN)

Application
EP 14189639 A 20141021

Priority
IT BO20130582 A 20131022

Abstract (en)
An electric power generating set, provided with at least one combustible fluid supply duct, which leads to at least one engine (2) for delivering mechanical energy, and a current generator (3), which is coupled to the engine (2) and is capable of converting the mechanical energy delivered by the engine (2) into electric power, to be supplied to at least one respective storage unit (4). At least one solenoid valve (5) is usually along the duct and is controlled by a respective controller (6) that can be connected in parallel to the generator (3) and to the storage unit (4); such solenoid valve (5) is usually arranged in a first configuration, for blocking the duct, in order to prevent the supply of the engine (2), and is movable on command toward a second configuration, for the free passage of the combustible fluid, and vice versa. The set comprises a component (7) for one-way clearance to the flow of current, which is arranged along an electrical line (8a, 8b) for connection between an electric pole (9a, 9b) of the solenoid valve (5) and a corresponding common electric pole (10a, 10b) of the controller (6) and of the storage unit (4), for one-way clearance to the flow of current from the positive electric pole (9a) of the solenoid valve (5) to the positive common electric pole (10a) of the controller (6) and of the storage unit (4) or for one-way clearance to the flow of current from the negative common electric pole (10b) of the controller (6) and of the storage unit (4) to the negative electric pole (9b) of the solenoid valve (5).

IPC 8 full level
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CPC (source: CN EP)
F02D 41/042 (2013.01 - CN EP); **F02D 41/22** (2013.01 - CN EP)

Citation (search report)
• [I] DE 10155919 A1 20030522 - LITVAK VIKTOR [DE]
• [A] US 5179920 A 19930119 - BENDER BURNELL L [US]
• [A] US 2005193991 A1 20050908 - SHIN CHANG HYUN [KR]

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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