

Title (en)

EXCESS POWER DISSIPATION FOR THROTTLE LOSS RECOVERY SYSTEMS

Title (de)

ÜBERSCHUSSLEISTUNGSABFÜHRUNG FÜR DROSSELVERLUST-WIEDERHERSTELLUNGSSYSTEME

Title (fr)

DISSIPATION DE PUISSANCE EXCÉDENTAIRE POUR SYSTÈMES DE RÉCUPÉRATION DE PERTE D'ÉTRANGLEMENT

Publication

**EP 3133269 A1 20170222 (EN)**

Application

**EP 16183647 A 20160810**

Priority

US 201514827791 A 20150817

Abstract (en)

Systems and methods are provided for managing excess electrical energy generated by a throttle loss recovery system. One exemplary system includes a flow control assembly to generate electrical energy in response to a portion of a fluid flow bypassing a flow control valve, an electrical system coupled to the flow control assembly to receive the electrical energy, and a control module coupled to the electrical system. The electrical system includes an energy storage element and an electrical load. The control module detects an excess energy condition based at least in part on a characteristic of the electrical system, and in response, operates the electrical system to dissipate at least a portion of the electrical energy generated by the flow control assembly using the electrical load.

IPC 8 full level

**F02D 9/02** (2006.01); **F02D 9/10** (2006.01)

CPC (source: EP)

**F02D 9/02** (2013.01); **F02D 9/1055** (2013.01)

Citation (applicant)

US 201514638232 A 20150304

Citation (search report)

- [Y] US 2013091844 A1 20130418 - LEONE THOMAS G [US], et al
- [Y] US 2014261250 A1 20140918 - KATAYAMA NAOKI [JP], et al
- [A] US 2011265882 A1 20111103 - REYENGA JAMES [US], et al

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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