

Title (en)
ELECTRICAL POWERING SYSTEM COMPRISING AN ASYNCHRONOUS MACHINE AND PROPULSION ENGINE PROVIDED WITH SUCH AN ELECTRICAL POWERING SYSTEM

Title (de)
STROMEINSPEISUNGSSYSTEM MIT EINER ASYNCHRONMASCHINE UND ANTRIEBSMOTOR MIT SOLCH EINEM STROMEINSPEISUNGSSYSTEM

Title (fr)
SYSTÈME D'ALIMENTATION EN ÉNERGIE ÉLECTRIQUE COMPRENANT UNE MACHINE ASYNCHRONE ET MOTEUR DE PROPULSION ÉQUIPÉ D'UN TEL SYSTÈME D'ALIMENTATION EN ÉNERGIE ÉLECTRIQUE

Publication
EP 2853022 A1 20150401 (FR)

Application
EP 13727287 A 20130514

Priority
• FR 1254612 A 20120521
• FR 2013051050 W 20130514

Abstract (en)
[origin: WO2013175098A1] The invention proposes an electrical powering system, comprising an asynchronous machine (100), an arrangement (130) for rotating a rotor (110) of the asynchronous machine by means of a rotor of a propulsion engine and an electrical connection (140) for powering at least one piece of electrical equipment by means of said rotor of the asynchronous machine, characterised in that the asynchronous machine (100) being furthermore equipped to receive alternating electrical power via a stator (120) of said asynchronous machine, it has, over a predetermined range of drive speed by said rotor of the propulsion engine of the rotor of the asynchronous machine, an efficiency of transfer of electrical energy from said stator (120) to said rotor (110) that is favourable with regard to the efficiency of converting rotational mechanical energy into electrical energy.

IPC 8 full level
H02K 17/42 (2006.01); **B64C 11/00** (2006.01); **H01F 38/18** (2006.01); **H02K 11/00** (2006.01); **H02K 16/02** (2006.01)

CPC (source: CN EP RU US)
B64D 15/12 (2013.01 - CN EP US); **F01D 7/00** (2013.01 - US); **F01D 15/10** (2013.01 - US); **F01D 25/02** (2013.01 - US); **H01F 38/18** (2013.01 - RU); **H02K 7/1823** (2013.01 - CN EP US); **H02K 11/0094** (2013.01 - CN EP US); **H02K 16/02** (2013.01 - CN EP US); **H02K 17/42** (2013.01 - CN EP RU US); **H02K 51/00** (2013.01 - RU); **B64D 2221/00** (2013.01 - CN EP US); **H01F 38/18** (2013.01 - CN EP US)

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)
FR 2990809 A1 20131122; **FR 2990809 B1 20170414**; BR 112014028919 A2 20170808; CA 2873933 A1 20131128; CA 2873933 C 20200505; CN 104321957 A 20150128; CN 104321957 B 20171010; EP 2853022 A1 20150401; RU 2014151778 A 20160720; RU 2650490 C2 20180416; US 2015108760 A1 20150423; US 9698651 B2 20170704; WO 2013175098 A1 20131128

DOCDB simple family (application)
FR 1254612 A 20120521; BR 112014028919 A 20130514; CA 2873933 A 20130514; CN 201380026646 A 20130514; EP 13727287 A 20130514; FR 2013051050 W 20130514; RU 2014151778 A 20130514; US 201314402794 A 20130514