Development of a composite sleeve for spatial separation of rotor and stator in an electric motor

Fact Sheet

Project Information

COMPOSLEEVE
Grant agreement ID: 641559

Status
Closed project

Funded under
FP7-JTI

Start date
1 October 2014

End date
31 May 2016

Overall budget
€ 297 808,77

EU contribution
€ 193 375,38

Coordinated by
FUNDACIO EURECAT
Spain

Objective

The Project COMPOSLEEVE is aimed to find out a way to produce a stator sleeve for stator/rotor separation in electrical motor, which need to be cooled with aggressive fluids such as Skydrol, with high internal pressure and a temperature range that goes above 200ºC. For this application possible materials are composites with high Tg resins, such as BMI or Cyanate ester, reinforced with non conductive fibers. Production method needs to be researched but Filament Winding seems to be the right candidate process. In particular the design and manufacturing of sleeve component is targeted. Thus the project will look for a cost effective way of producing these sleeve components in these composites material while ensuring to withstand with requirements. The aim is to get a cost effective way of manufacturing.

Field of science
Programme(s)

Topic(s)

Call for proposal

SP1-JTI-CS-2013-03

Funding Scheme

JTI-CS - Joint Technology Initiatives - Clean Sky

Coordinator

FUNDACIO EURECAT

Address
Avenida Universitat Autonoma 23
08290 Cerdanyola Del Valles (Barcelona)
Spain

Activity type
Research Organisations

EU contribution
€ 53 507,82

Website

Contact the organisation

Administrative Contact
ángel Lagraña (Mr.)

Participants (3)

FUNDACIO PRIVADA ASCAMM

Spain

EU contribution
€ 35 197,68

Address
Avenida Universitat Autonoma , Parc Tecnologic Del Valles 23

Activity type
Research Organisations
AIRBORNE COMPOSITES AUTOMATION BV
Netherlands
EU contribution
€ 59,962,38
Address
Laan Van Ypenburg 70
2497 GB S Gravenhage
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Website
Contact the organisation
Administrative Contact
Anders Brodsjo (Mr.)

UNIVERSITAT DE GIRONA
Spain
EU contribution
€ 44,707,50
Address
Placa Sant Domenec 3
17004 Girona
Activity type
Higher or Secondary Education Establishments
Website
Contact the organisation
Administrative Contact
Helena Montiel Boadas (Dr.)

Last update: 12 April 2016
Record number: 197822

Permalink: https://cordis.europa.eu/project/id/641559/

© European Union, 2020