

- characterised by the control method or circultry (control of mechanical oscillations G05D 19/00)
- using electro- or magnetostrictive actuation means (generating of mechanical vibrations operating with electros

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F16F 15/007

F16F 15/021

F16F 15/022

F16F 15/0235

F16F 15/0237

F16F 15/027

F F16F 15/023

- · · Piezo-electric elements being placed under pre-constraint, e.g. placed under compression
- Suppression of vibrations of not for a geo teac 659 easystems. Suppression of vibrations of rotating sys F16F 15/02 use of members not moving with the rotating system (layered products BS2B, suppression of vibration in ships

Fifth Cooperative Patent Classification (CPC) Annual Meating with National Offices

- using dampers and springs in February 2018, WIPO
- · · using fluid means [2006.01]
- F16F 15/0232
- *** with at least one gas spring (F16F 15/027 takes precedence)

 *** where a rotating member 20 year with Cytsekhovskaya ession of vibration rotating systems containing a fluid F Olga Tikhomirova
 - · · · involving squeeze-film damping

 - · · · composing control arrangements [2006,01]
- DF F16F 15/03
 - F16F 15/03 ** using electromagnatic means (F16F 9/53 takes precedence) [2006.01]

 e-mail: orpos@rupto-ru

 F1.6F 15/035 by use of eddy of induced current damping (dynamo-electric brakes of
- • using elastic means (single elements or their attachment FASF 1/00-FASF F16F 15/04
- F16F1FEDERAL INSTITUTE OF INDUSTRIAL PROPERTY, ROSPATENT MIDEIS IN

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- characterised by the control method or circultry (control of mechanical oscillations G05D 19/00)
- using electro-or magnetocritolive at ration means /generating of mechanical vibrations operating with electros B06B 1/06 with magnetost retor B06B + 08: Terricle suspension arrangements characterised by use of piezo-

elements B60G 17/01941 piezo-electric, electrostrict

· · Piezo-electric elements being placed under pre-con F16F 15/007

F16F 15/Since p2016 book from rotating e.g. recipro examiners classify all

F16F 15/Currentoupling of Vibrations by mpatent conta

FIGF 15 COCUMENTS and springs in combination

• • using fluid means [2008.01]

• • with at least one das spring (F15F 15/027 takes p

· where a rotating member is in contact with fluid (ro

Inventions Utility

• • • comprising control arrangements **models**

F16F 15/0237

F16F 15/0235

F16F 15/027

F16F 15 We use all technical fields precedence [2006.01]

F16F 15/for classifying underer (dynamo-electric brakes of the eddy-current type H02K 49/04)

F16F 15/04 using elastic means (single elements or their attachment F16F 1/00-F16F 18/00) [2006/01]

 Suppression of vibrations in rotating systems by making use of members moving with the system (by balancing F16F 15/10 EASE LEGO with Brokenia action undate as teamitment. Casilly 10000 041



- characterised by the control method or circultry (control of mechanical oscillations G05D 19/00)
- using electro- or magnetostrictive actuation means (generating of mechanical vibrations operating with electros

 B06B 1/06 with magnetostriction Book 1/05: vibil (see misio) in capteriors characterised by use of piezoelements B60G 17/01941 piezo-electric, electrostrictive and magnetostrictive devices H01L 41/00) · · Piezo-electric elements being placed under pre-constraint, e.g. placed under compression
- F16F 15/007 RU office publishes applications with CPC tating system (layered products B32B, suppression of vibration in ships symbols which have decision of grant.
- In the future we plan to publish all applications with CPC symbols including
- F16F 15/0235 Tefused applications.
 F16F 15/0235 where a rotating member is in contact with fluid (rotary viscous dampers F16F 9/12 suppression of vibration rotating systems containing a fluid F16F 15/16)
- · · · involving squeeze-film damping F16F 15/0237
 - · · · comprising control arrangements [2006.01]
 - using electromagnetic means (F18F 9/53 takes precedence) [2006.01] • • • by use of eddy or induced-current damping (dynamo-electric brakes of the eddy-current type H02K 49/04)
 - using elastic means (single elements or their attachment F#8F 1/00-F16F 13/00) [2006.01]
- F16F 15/10 Suppression of vibrations in rotating systems by making use of members moving with the system (by balancing

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- OF F16F 15/04



OF F16F 15/04

F16F 15/10

- characterised by the control method or circultry (control of mechanical oscillations G055 19/00)
- using electro- or magnetostrictive actuation means (generating of mechanical vibrations operating with electros Before to the Busine General franciers Broaderised by use of piezo-

elements B60G 17/01941 piezo-electric, electrostrictive and magnetostrictive devices H01L 41/09)

F16F 15/0 In 2014-2015 EPO gave trainings for our F16F 15/02 Suppression of vibrations of non-rotating e.g. reciprocating systems Suppression of vibrations of non-rotating e.g. reciprocating systems Suppression of vibrations of non-rotating system (layered products B32

[2006.01]

F16F 15/021 Decoupling of vibrations by means of point-of-contact supports, e.g. ball I F16F 15/022 informations on the CPC structure,

scheme and components

F16F 15/0232 with at least one gas spring (F16F 15/027 takes precedence)
F16F 15/0235 Specific aspects of CPC use in different or vibration fields of technology

FIGHT TO CPC classification principles and

F16F 15 Classification strategies recedence [2006.01]

by use of eddy or induced-current damping (dynamo-electric brakes of the eddy-current type H02K 49/04)

Ense (E.70 vita Biova alexactina reciales experiencil Esseu (2006.01)

. * using elastic means (single elements or their attachment FMSF 1/00-F15F 13/00) [2006.01]

· Suppression of vibrations in rotating systems by making use of members moving with the system (by balancing



characterised by the control method or circultry (control of mechanical oscillations G055 19/00)

Ush Felet to a high edition Stuation fans—Excagon at la — to Sons do rating with electron B06B 1/06. With magnetostriction B06B 1/06: vehicle suspension arrangements characterised by use of piezo-elements B60G 17/0194 USS lefect Celectrostric we and magnetostrictive devices H01L 44/00)

• Piezo-electric elements being placed under pre-constraint—e.g. placed under compression.

F16F 15/007

· Suppression of vibrations of non-retating leig ireciprocatin use of members not moving with the rotating system (laver

Specialists in

F16F 15/021 Classification field means of point-of-contact sur

provide trainings to

F16F 15/0f3cilitate for gas spring (F16F 15/027 takes preced F16F 15/0235 where a rotating member is in contact with fluid (rotary v examinersent nember a fluid F16F 15/16)

F16F 15/027 Process of Proping F16F 15/027 Comprising control arrangements [2006.01]

F16F 15/0 Classifying agnetic means (F16F 9/53 takes preceden

· · · by use of eddy or induced-current damping (dynamo-el

. * using elastic means (single elements or their attachment

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Suppression of vibrations in rotating systems by making use or members moving with the system (by balancing

of notating sys ration in ships

H02K 49/04)

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- characterised by the control method or circultry (control of mechanical oscillations G05D 19/00)
- using electro- or magnetostrictive actuation means (generating of mechanical vibrations operating with electros

 BLSB VO DICEASE to the EDSB 1 bas vehicle susteements after a minus his acterised by use of piezoelements B60G 17/01941 piezo-electric, electrostrictive and magnetostrictive devices H01L 44/00) · · Piezo-electric elements being placed under pre-constraint, e.g. placed under compression
- F16F 15/007 F16F-5/0We give CPOstrainings by intwo steps: vibrations of rotating system (layered products B32B, suppression of vibration in ships
 - Step 1 we give general information
 - ations by means of point-of-contact supports, e.g. ball bearings
 - F16F 15/022 bout CP Cabrations by means or point F16F 15/022 bout using dampers and springs in combination
 - Step 2 we give practice exercises for

 - F16F 15/0232

 F1 rotating systems containing a fluid F16F 15/16)
 - F16F 15/0237 · · · involving squeeze-film damping
- F16F 15/027

 - · · · comprising control arrangements [2006.01]
 - using electromagnetic means (F18F 9/53 takes precedence) [2006.01]
 - • by use of eddy or induced-current damping (dynamo-electric brakes of the eddy-current type H02K 49/04)
 - using elastic means (single elements or their attachment F#8F 1/00-F16F 13/00) [2006.01]
- F16F 15/10 Suppression of vibrations in rotating systems by making use of members moving with the system (by balancing

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- OF F16F 15/04

DF F16F 15/03



characterised by the control method or circultry (control of mechanical oscillations G05D 19/00)

 using electro- or magnetostrictive actuation means (generating of mechanical vibrations B06B 1/06 with magnetostriction BLS (D) (vi h) (Augusta) (Frangements characticelements B60G 17/01941 piezo-electric, electrostrictive and magnetostrictive devices in

provides control of entered CPC symbols

Suppression of wibrations of non-rotating each recipro CPC version

according to actual CPC version

use of members not including with the rotating system (layered products B32B, suppression of vibration in ships

Время ког

Дата подачи заявки Дата национальной фазы Дата начала действия патента 18.01.2017 Пункты / независимые пункты Пункты: 2 Объекты: 1 Перечень объектов: 1 Индекс МПК(МКПО) Корректировать Индекс СРС Корректировать 🦲 Классифицирование - Windows Internet Explorer Приорит Закрыть Сохранить изменения (22) Td Классифицирование по индексам СРС (56) Mc1 Найти по словарю ation Патентн Сбросить Названи Класс Раздел Подкласс Основная Подгруппа Значение виброи: группа классификации Адрес д F 16 F 🔻 124 I 141191, Первоначальн Авторы реклассифи Кочетов данные Заявите В ▼ Кочетов Источник Патенто классифика Кочетов данных Адрес о H ▼ Условный номер группы C-Set Добавить/изменить индекс Поставить позже Основной и последующие индексы СРС

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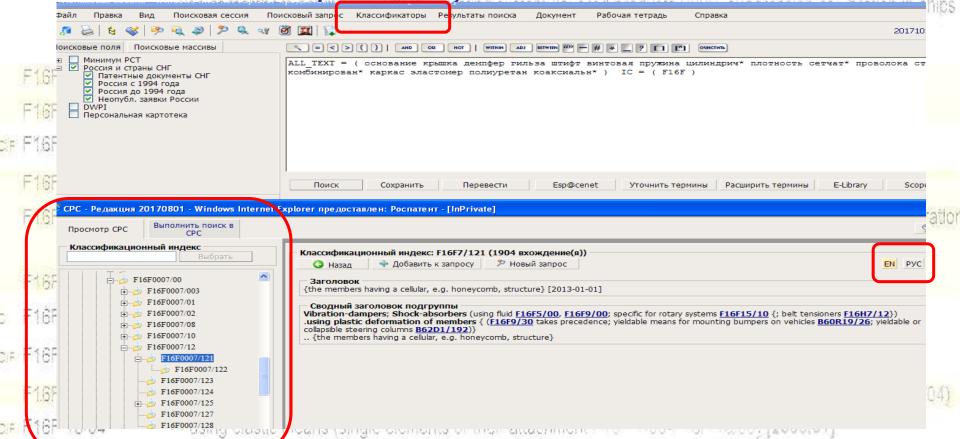
Our software mechanical



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OPC is integrated into our intranet search

patent system PatSearch



ression of vibrations in rotating systems by making use of members moving.

FIG. with Brooks a period periods at the applicant CASH 10000 011



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- characterised by the control method or circultry (control of mechanical oscillations G055 19/00)
- using electro- or magnetostrictive actuation means (generating of mechanical vibrations operating with electros COS ROUTH MARS ICUSE A VICENTIA CONTROL OF ELERISED BY USE OF PIEZO-I

elements B60G 17/01941 piezo-electric, electrostrictive and magnetostrictive devices H01L 41/00)

· · Piezo-electric elements being placed under pre-constraint, e.g. placed under compression F16F 15/007

choosing the most precise places for subject matter of patent document

- . Decoupling of vibrations by means of point-of-contact supports, e.g. ball bearings F16F 15/021
- F16F 15/022 · · using dampers and springs in combination
- using full means [2006.01]

elarifying the distinctions between

fields with similar technical subject

F16F 15/027 Atters squeeze-film damping
F16F 15/027 Comprising control arrangements [2006.01]

- • using electromagnetic means (F16F 9/53 takes precedence) [: TWP ORTANT]
 • by use of eddy or induced suggests • • • by use of eddy or induced-current damping (dynamo-electric brakes of the eddy-current type H02K 49/04)
 - • using elastic means (single elements or their attachment F16F 1400-F16F 18/00) [2006.01]

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· Suppression of vibrations in rotating systems by making use of members moving with the system (by



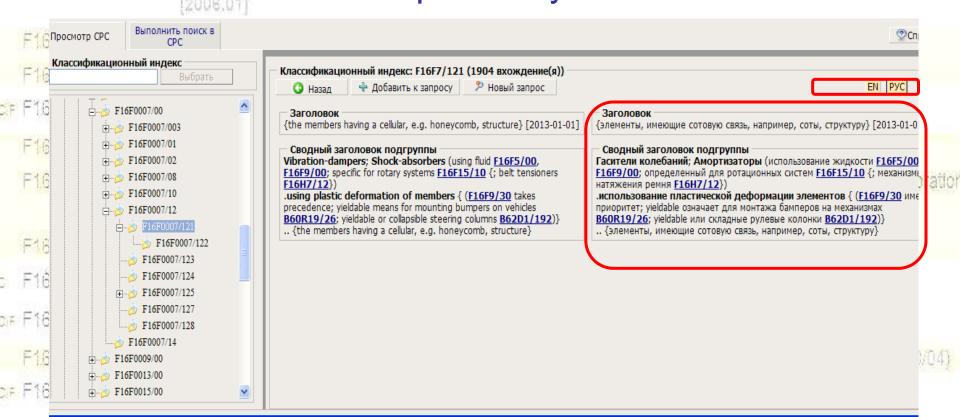
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elements B60G 17/01941 plezo-electric, electrostrictive and magnetostrictive devices not a supplied to the supplied by the sup

F16F 15/007

· · · Piezo-electric elements being placed under pre-constraint, e.g. placed under compression

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F16F 15/10 • Suppression of vibrations in rotating systems by making use of members moving with the system (by balancing

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F16F 15/04

 characterised by the control method or circultry (control of mechanical oscillations G05D 19/00) • using electro- or magnetostrictive actuation means (generating of mechanical vibrations operating with electros

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· · Piezo-electric elements being placed under pre-constraint, e.g. placed under compression

· Suppression of vibrations of non-rotating leight reciprocating systems. Suppression of vibrations of rotating sys use of members not moving with the rotating system (layered products B32B, suppression of vibration in ships

We have not started CPC reclassification

of our patent documents yet

using fluid means [2006.01]

· · · where a rotating member is in contact with fluid (re

rotating systems containing a fluid F16F 15/16)

• • • with at least one gas spring (F15F 15/027 takes p

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brattor

· · · involving squeeze-film damping

· · · comprising control arrangements [2006,01]

using electromagnetic means (F18F 9/53 takes precedence) [2006.01]

• • • by use of eddy or induced-current damping (dynamo-electric brakes of the eddy-current type H02K 49/04)

• • using elastic means (single elements or their attachment F16F 1/00-F16F 18/00) [2006.01] · Suppression of vibrations in rotating systems by making use of members moving with the system (by balancing F16F 15/10 ETSE (E.O.) with Brooks also actions provided an experienced. CASH 170000.011



- characterised by the control method or circultry (control of mechanical oscillations G05D 19/00)
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RU office exchanges CPC data with EPO evices HO1L 44 (00) Piezo-electric elements being placed under pre-constraint, e.g. placed under compression

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use of members not inclying with the rotating system (layered products B32B, suppression of vibration in ships We sent to EPO: [2006.01]

FIGE 24 764 patent documents in 2016 and bearings

F16F 157022 Using dampers and springs in combination part of the p

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Suppression of vibrations in rotating systems by making use of members moving with the system (by balancing

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