

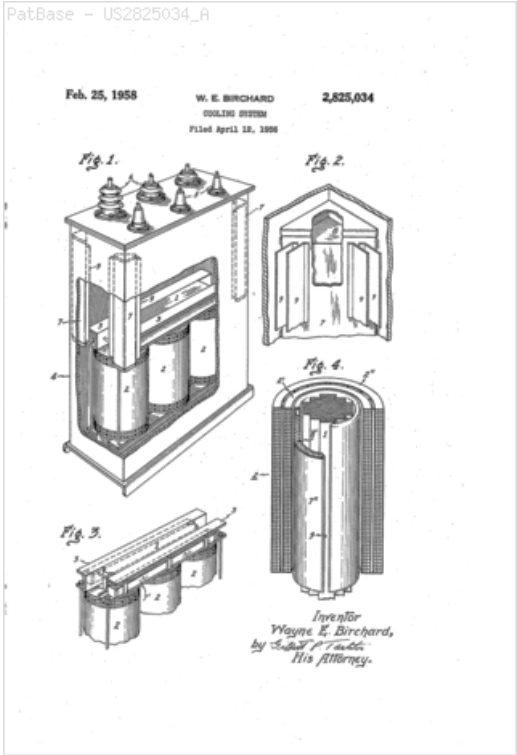
1) Family number: 22366078 (US2825034A) © PatBase

Title: COOLING SYSTEM
Priority: US19560577750 19560412
Family:

Publication number	Publication date	Application number	Application date
US2825034 A	19580225	US19560577750	19560412

Probable Assignee: GEN ELECTRIC
Assignee(s):(std): GEN ELECTRIC
Assignee(s): GENERAL ELECTRIC CO ; GENERAL ELECTRIC COMPANY
Inventor(s):(std): BIRCHARD WAYNE E
International class (IPC 8-9): H01F27/08 (Advanced/Invention); H01F27/08 (Core/Invention)
International class (IPC 1-7): H01F27/08
CPC: Y10S165/902 H01F27/08 F28D20/02 Y02E60/145
European class: H01F27/08
US class: 126/400 165/10 165/104.11 165/185 165/80.4 165/902 174/15.1 336/61 336/90
[Classification Explorer](#)
Cited documents: US2338691 A, US1957245 A,
Forward Citations: US4921043, US4335781, US4306613, US4285027, US4263963, US3976125, US3541487, US3419666, US3289743, US3261905, US3215194, US3160837, US3030596, US2015211805,

Abstract:
(Claim 1) 1. in an electric transformeneornponent which has a thermal cycle whichincludes a period of relatively low temperature and may include II period of relatively high temperature, said 'high temperature period being of relatively short time duration as compared to the total time duration of said cycle, and said component being positioned inside a main tank, means for limiting the temperature rise of said component during said short time period to a desired maximum temperature, said means comprising a predetermined mass of material having a high latent heat of fusion, said heat of fusion being relatively large as compared to the spccihc heat of said component, said material being disposed in a container which is positioned inside said tank and in thermal absorbing relationship with respect to said component, said material having a melting point temperature which is below said maximum temperature but above said low temperature and said material being thermally reversible whereby said material will change from a solid to a liquid state during said short time period and then revert to said solid state during said low temperature period.



2) Family number: 49512104 (MX2009011448A) © PatBase

Title: MAGNETIC WIRE WITH CORONA-RESISTANT COATING. ALAMBRE MAGNETO CON REVESTIMIENTO RESISTENTE A CORONA.
Priority: MX20090011448 20091023

Family:

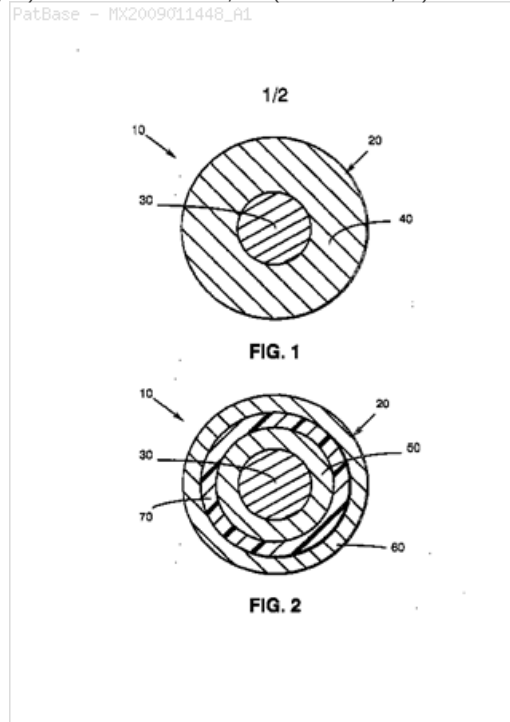
Publication number	Publication date	Application number	Application date
MX2009011448 A1	20110425	MX20090011448	20091023

Probable Assignee: MAGNEKON S A DE C V
Assignee(s):(std): MAGNEKON S A DE C V
Inventor(s):(std): PENA EDGAR ALBERTO DUARTE
Inventor(s): EDGAR ALBERTO DUARTE PENA
International class (IPC 8-9): C08K5/00 (Core/Invention)

[Classification Explorer](#)

Abstract:

A MAGNET WIRE FORMED BY AN ELECTRIC CONDUCTOR, AND A CORONA-RESISTANT COATING DISPOSED AROUND ELECTRIC CONDUCTOR; THE CORONA-RESISTANT COATING INCLUDES A QUANTITY OF POLYMERIC RESIN HAVING A DIELECTRIC STRENGTH OF AT LEAST ABOUT 7874 V/MM (200 V/MLL), AND A QUANTITY OF CONDUCTIVE POLYMER HAVING A CONDUCTIVITY IN A RANGE FROM ABOUT 1×10^{-13} S/CM (2.54×10^{-13} S/IN) TO ABOUT 1×10^{-3} S/CM (2.54×10^{-3} S/IN).

**3) Family number: 63741136 (AU2016101488A)**

© PatBase

Title: DEVICES USING A MEDIUM HAVING A HIGH HEAT TRANSFER RATE
Priority: AU20160101488 20160822
Family:

Publication number	Publication date	Application number	Application date
AU2016101488 AD	20161013	AU20160101488	20160822

Probable Assignee: SUN SAM
Assignee(s):(std): SUN SAM
Assignee(s): SUN SAM MR
Inventor(s):(std): QU ZHIPENG
Agent(s): MCDONALD LAURINE MS
International class (IPC 8-9): C09K5/14 (Advanced/Invention)
CPC: Y02P20/123 Y02P20/124

[Classification Explorer](#)

Forward Citations: CN106810164, CN106752802,

Abstract:

Disclosed is a heat transfer medium having high heat transfer rate, being useful in even wider fields, simple in structure, easy to made, environmentally sound, and capable of rapidly conducting heat and preserving heat in a highly efficient manner. Further disclosed are a heat transfer surface and a heat transfer element utilizing the heat transfer medium. Further disclosed are applications of the heat transfer element.

4) Family number: 3686282 (US5115157A)

© PatBase

Title: LIQUID SEALED VANE OSCILLATORS
Priority: IL19880088759 19881221 CA19892005918 19891219
Family:

Publication number	Publication date	Application number	Application date
AT120831 E	19950415	AT19890123395T	19891218

CA2005918 AA	19900621	CA19892005918	19891219
DE68922077 D1	19950511	DE19896022077	19891218
DE68922077 T2	19960222	DE19896022077T	19891218
EP0374798 A2	19900627	EP19890123395	19891218
EP0374798 A3	19910703	EP19890123395	19891218
EP0374798 B1	19950405	EP19890123395	19891218
IL88759 A0	19890731	IL19880088759	19881221
IL88759 A1	19950330	IL19880088759	19881221
US5115157 A	19920519	US19890451520	19891215

Probable Assignee: TECHNION RESEARCH AND DEVELOPMENT FOUNDATION LTD

Assignee(s):(std): LEIF BLUMENAU ; TECHNION RES AND DEV ; TECHNION RES AND DEV FOUNDATION ; BLUMENAU LEIF

Assignee(s): BLUMENAU LEIF BEER SHEVA IL ; TECHNION RESEARCH AND DEVELOPMENT FOUNDATION LTD ; TECHNION RESEARCH AND DEVELOPMENT FOUNDATION LTD HAIFA IL

Inventor(s):(std): BLUMENAU LEIF ; TECHNION RESEARCH DEVELOPMENT

Inventor(s): BLUMENAU LEIF BEER SHEVA IL ; TECHNION RESEARCH AND DEVELOPMENT FOUNDATION LTD

Agent(s): OYEN WIGGS GREEN AND MUTALA LLP; SIMON LAVIE

Designated states: AT BE CH DE ES FR GB IT LI NL SE

International class (IPC 8-9): F01C9/00 F02G1/043 F04C27/02 F25B29/00 (Advanced/Invention); F01C9/00 F02G1/00 F04C27/00 (Core/Invention)

International class (IPC 1-7): F01C9/00 F25B29/00 F25B9/00 H02K44/00

CPC: F01C9/002 F02G1/0435 F02G2244/50 F02G2254/30 F04C27/02 F25B2309/1401

European class: F01C9/00B F02G1/043F F04C27/02 R02G244/50 R02G254/30 R25B309/1401

US class: 310/11 417/417 62/6

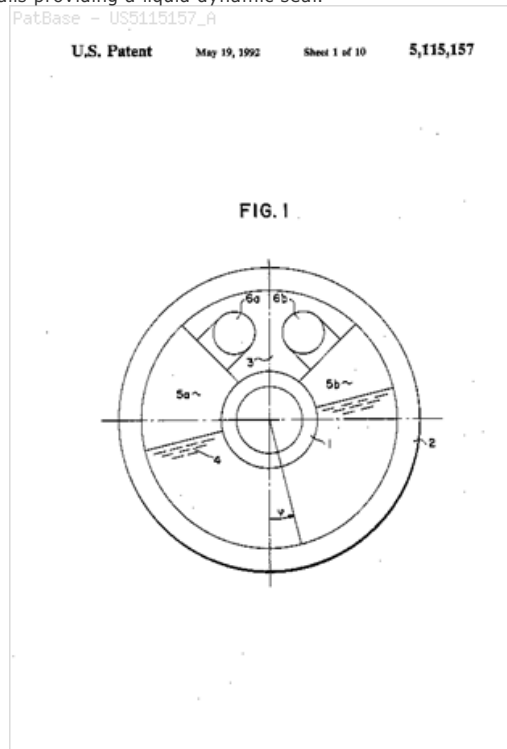
[Classification Explorer](#)

Cited documents: US4617801 A, US4500265 A, US4488402 A, US4356697 A, US4312181 A, US4050851 A, US3822388 A, US3460344 A, US2359819 A, GB1568057 A, GB1186450 A, FR2084109 A5, FR1180437 A, EP0246782 A2, DE3408633 A1,

Forward Citations: WO9734357, WO09138724, WO09138724, WO08036868, WO07025027, WO07025027, US9273690, US8539771, US8436489, US8353156, US8247915, US8240142, US8215105, US8201402, US8196395, US8191361, US8191360, US8146354, US8087241, US8065874, US8061132, US8037677, US7937939, US7877999, US7810330, US7805934, US7694514, US7617680, US7284373, US7278271, US5961302, US5717266, US2011233934, US2011115223, US2011030552, US2011030359, US2011023977, US2011023488, US2010329903, US2010326069, US2010326066, US2010326064, US2009038307, US2008250788, US2008072870, US2008072694, US2006137362, GB2481182, GB2460221, EP0952308, CN102812249, CN102812249,

Abstract:

A displacement or power mechanical oscillator comprises an oscillation space constituted by a sector of an annular cavity, having a rectangular cross-section in a plane through the axis of the cavity and vertically oriented plane of symmetry. The cavity contains a sealing liquid and a vane in closed matching relationship with the inner walls of the cavity. The vane is symmetrically oscillatable with the liquid in the narrow gaps between vane and cavity walls providing a liquid dynamic seal.



5) Family number: 29645343 (GB490019A)

© PatBase

Title: IMPROVEMENTS IN OR RELATING TO THE CONTROL OF ELECTRIC DISCHARGE TUBES

Priority: GB19370003534 19370205

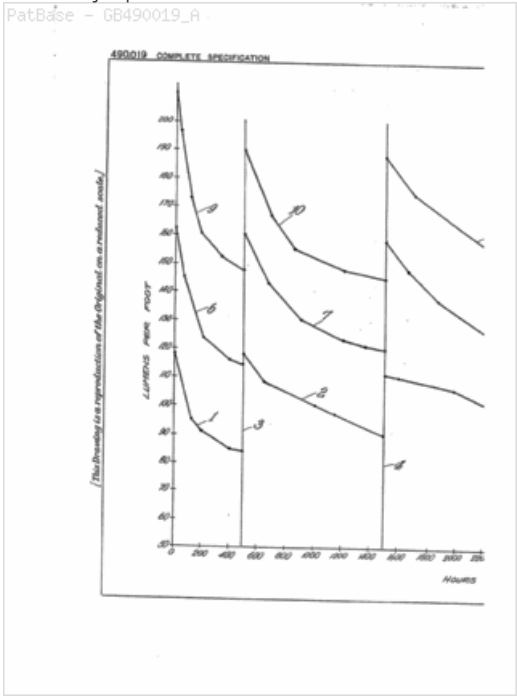
Family:

Publication number	Publication date	Application number	Application date
GB490019 A	19380805	GB19370003534	19370205

Probable Assignee: AUGUSTE HARRY BRACKENSEY
Assignee(s):(std): AUGUSTE HARRY BRACKENSEY ; FRANCO BRITISH ELECTRICAL CO ; FRANCO BRITISH ELECTRICAL COMP
Assignee(s): THE FRANCO BRITISH ELECTRICAL COMPANY LIMITED
International class (IPC 8-9): H05B41/39 (Advanced/Invention); H05B41/39 (Core/Invention)
International class (IPC 1-7): H05B41/38
CPC: H05B41/39
European class: H05B41/39

[Classification Explorer](#)

Abstract:
(Claim 1) A control system for electric dis 100 charge tubes of the type referred to, wherein means are provided for boosting the current flow through the tube at progressively increasing intervals of time during the useful life of the tube, where 105 by the luminous power of the tube is maintained at a comparatively high point over the major part of its life.



6) Family number: 58291390 (MX351711B)

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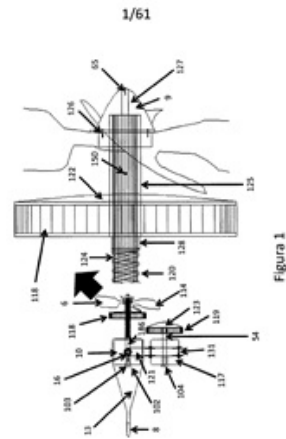
Title: COMBINED-CYCLE SYSTEM FOR GENERATING ELECTRIC ENERGY.
Priority: MX20130001323 20130201
Family:

Publication number	Publication date	Application number	Application date
MX2013001323 A1	20140902	MX20130001323	20130201
MX351711 B	20171024	MX20130001323	20130201

Probable Assignee: UNIV AUTONOMA DE NUEVO LEON
Assignee(s):(std): UNIV AUTONOMA DE NUEVO LEON
Assignee(s): UNIVERSIDAD AUTONOMA DE NUEVO LEON
Inventor(s):(std): VICENTE MARTINEZ ORTIZ ; RICARDO ALBERTO GOMEZ FLORES ; ORTIZ VICENTE MARTINEZ ; JAVIER ROLANDO MENDIOLA HERNANDEZ ; HERNANDEZ JAVIER ROLANDO MENDIOLA ; FLORES RICARDO ALBERTO GOMEZ
International class (IPC 8-9): F03B13/12 F03D9/10 (Advanced/Invention); F03B13/00 F03D9/00 (Core/Invention)
CPC: Y02E10/725

[Classification Explorer](#)

Abstract:
The present invention consists in a combined-cycle system for generating electric energy, by means of the combination of different cycles based on natural resources, the first cycle including an electric wind generator, in both embodiments, static and dynamic, and a third generator that uses, as a motive force, part of the energy collected from the wind depending on the speed of the same; this generator will start to produce electric energy when the speed of the wind is increased; the second cycle refers to a submergible hydraulic generator; the third cycle includes a solar tracking dynamic photovoltaic panel; the fourth cycle refers to an electric generator for recovering the energy from bodies in motion; including as many cycles as are required to generate electric energy; the previous four combined cycles provide electric energy without depending on fuels based on fossil hydrocarbons, nuclear energy, or any other energy based on chemicals, this system therefore being the joint of a II sustainable cycles, which are combined in a random manner for a single purpose: obtaining electric energy regardless the application of the same.

**7) Family number: 28091392** (US2003066638A)

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Title: DEVICES USING A MEDIUM HAVING A HIGH HEAT TRANSFER RATE

Priority: US20010928883 20010813 US20010928883 20010813 WO2002US25330 20020809

Family:

Publication number	Publication date	Application number	Application date
AU2002332494 AA	20030303	AU20020332494	20020809
US2003066638 AA	20030410	US20010928883	20010813
US7220365 BB	20070522	US20010928883	20010813
WO03016811 A2	20030227	WO2002US25330	20020809
WO03016811 A3	20040805	WO2002US25330	20020809

Probable Assignee: QUANTUM TECHNOLOGY HOLDING LTD

Assignee(s):(std): CHAO JASON ; CHEN PENG ; LI YUFU ; NEW QU ENERGY LTD ; QU YUZHUI ; QU ZHIPENG ; WEI QIFENG ; YAN JUNHUA ; YANG HONGYUAN

Assignee(s): YANG HONG YUAN ; WEI QI FENG ; QUANTUM TECHNOLOGY HOLDING LTD ; QUANTUM TECHNOLOGY HOLDINGS LTD

Inventor(s):(std): YANG HONGYUAN ; YAN JUNHUA ; WEI QIFENG ; QU ZHIPENG ; QU YUZHUI ; LI YUFU ; CHEN PENG ; CHAO JASON ; YANG HONG YUAN ; WEI QI FENG

Inventor(s): ZHIPENG QU ; YUZHUI QU ; YUFU LI ; JUNHUA YAN ; JASON CHAO ; HONGYUAN YANG ; QIFENG WEI ; PENG CHEN

Agent(s): MORRISON AND FOERSTER LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8-9): C09K5/14 F28D15/00 F28F13/00 H01L23/373 H05K7/20 (Advanced/Invention); H01L23/427 (Advanced/Non-invention); C09K5/00 F28D15/00 F28F13/00 H01L23/34 H05K7/20 (Core/Invention)

International class (IPC 1-7): C09K5/00 F28F1/00

CPC: Y10S165/905 H05K7/20336 B01J2208/00123 B01J2208/00185 B01J2219/00078 B65D88/744 C09K5/14 F01K13/00 F22B21/00 F28D1/0213 F28D7/10 F28D15/00 F28D15/0266 F28D15/0275 F28D21/0003 F28F1/14 F28F1/34 F28F13/00 H01L23/427 H01L2924/0002 Y10T428/1317 F24S10/90 F24S60/30 Y02E10/40

European class: C09K5/14 F01K13/00 F22B21/00 F24J2/32 F24J2/34B F28D15/00 F28D15/02M F28D15/02N F28F13/00 H05K7/20E30 L01J208/00C2D2B L01J208/00C2D4B L01J219/00B2D2B L65D88/74F R28D1/02A4 R28D21/00A4 R28D7/10 R28F1/14 R28F1/34 T01L23/427

US class: 165/104.15 165/185 165/186 165/905 252/70 257/E23.088 257/E23.088S 257/E23.11 257/E23.110S 428/34.6 428/469 428/470 428/471 428/472 428/699 428/701 428/702

[Classification Explorer](#)

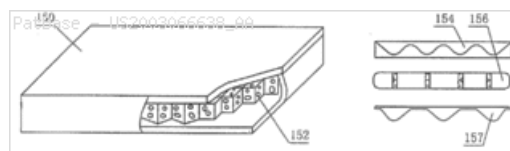
Cited documents: WO03016811 A3, WO03016811 A2, WO03016044 A3, WO03016044 A2, WO03016044 A1, US6811720 BB, US6301479 BA, US6278880 BA, US6230013 BA, US6132823 A, US6128488 A, US5940371 A, US5896373 A, US5889769 A, US5542471 A,

Forward Citations: WO15066538, WO13124004, WO13102501, WO12068218, WO11127575, WO10062359, WO10056281, WO10036849, WO10036849, WO09023204, WO07123837, USD775345, USD656237, USD645158, US9999166, US9974401, US9962486, US9930898, US9902507, US9879924, US9863695, US9829215, US9814331, US9801482, US9795061, US9790079, US9782036, US9777716, US9759084, US9750160, US9717260, US9711705, US9708980, US9694396, US9693486, US9644344, US9599407, US9593465, US9555186, US9515536, US9485807, US9420638, US9417013, US9409205, US9404650, US9387297, US9386634, US9374885, US9211377, US9210834, US9206542, US9181610, US9173328, US9165590, US9113577, US9004670, US8991478, US8986253, US8973650, US8931186, US8926561, US8859882,

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Abstract:

Disclosed is a heat transfer medium having high heat transfer rate, being useful in even wider fields, simple in structure, easy to made, environmentally sound, and capable of rapidly conducting heat and preserving heat in a highly efficient manner. Further disclosed are a heat transfer surface and a heat transfer element utilizing the heat transfer medium. Further disclosed are applications of the heat transfer element.



8) Family number: 43178395 (BRMU8700647U)

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Title: transformador trifAsico de distribuiCco de energia eLEtrica com necleo de culatras planas em suas faces interiores, isolamento A aleo vegetal biodegradAvel e proteCco intrInseca DistribuiCco three-phase transformer to power the Necla flat butts in their insides, isolation aleo A biodegradable and plant protection intrinsic (Machine translation)

Priority: BR2007MU00647U 20070404

Family:	Publication number	Publication date	Application number	Application date
	BRMU8700647 U2	20081118	BR2007MU00647U	20070404

Probable Assignee: B and M PESQUISA E DESENVOLVIMENTO

Assignee(s):(std): B and M PESQUISA E DESENVOLVIMENTO ; IND DE TRANSFORMADORES ITAIPU

Assignee(s): INDUSTRIA DE TRANSFORMADORES ITAIPU LTDA ; B AND M PESQUISA E DESENVOLVIMENTO LTDA ME

Inventor(s):(std): FRANCHINI LUIZ ROBERTO ; KATAOKA DIOGO ; MAK JOSE

Inventor(s): DIOGO KATAOKA ; LUIZ ROBERTO FRANCHINI ; JOSE MAK

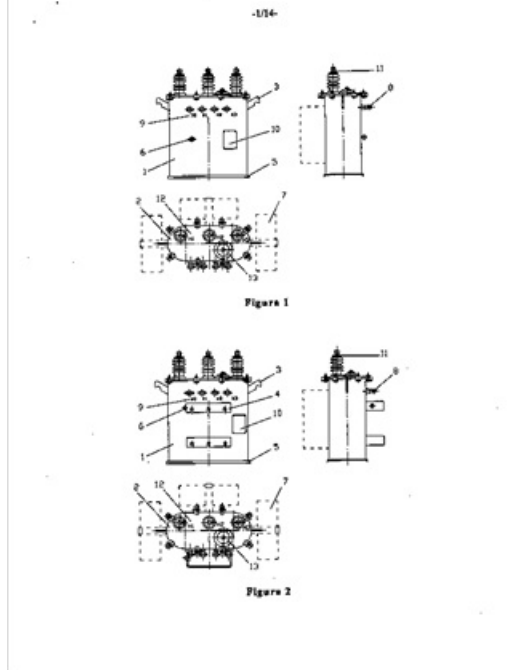
International class (IPC 8-9): H01F27/32 H01F27/40 H01F3/02 H01F30/12 (Advanced/Invention); H01F27/00 H01F27/32 H01F3/00 H01F30/06 (Core/Invention)

[Classification Explorer](#)

Abstract:

Source: BRMU8700647U [PT] TRANSFORMADOR TRIFASICO DE DISTRIBUICCO DE ENERGIA ELETRICA COM NECLEO DE CULATRAS PLANAS EM SUAS FACES INTERIORES, ISOLAMENTO A ALEO VEGETAL BIODEGRADAVEL E PROTECCO INTRINSECA. Compreende um tanque(1) e uma tampa(2), caracterizado por utilizar como material isolante um fluido a base de ester vegetal, denominado oleo vegetal, que possibilita operar o transformador em temperaturas altas; com disposicao geometrica do nucleo de aco silicio(14) com as culatras(18) planas em suas faces interiores; composto de fusiveis de alta tensao(23), disjuntor trifasico de alta tensao(21), chave comutadora de tap's(17) de alta tensao, para-raios de alta tensao(19) e para-raios de baixa tensao(20) para proteger o transformador contra defeitos em suas bobinas de alta tensao(15), surtos de tensao oriundos de manobras na rede de alta tensao que o alimenta, curto-circuitos e sobrecargas de longa duracao que possam ocorrer no circuito de baixa tensao alimentado pelo transformador e contra surtos atmosfericos que ocorrem na rede primaria que alimenta o transformador e na rede secundaria por ele alimentada.

Machine translation: DISTRIBUICCO three-phase transformer of electric energy with Necla breech FLAT ON THEIR FACES INTERNAL ISOLATION Aleo A PLANT PROTECTION Biodegradable and intrinsic. It comprises a tank (1) and a cover (2), characterized by use as an insulation fluid based on vegetable ester, known as vegetable oil, which enables the processor to operate at high temperatures, with geometric arrangement of the silicon steel core (14) with the butts (18) flat on inner faces; compound fuses high voltage (23), circuit breaker three-phase high voltage (21), key switch tap's (17) high voltage, lightning arresters for high voltage (19)-rays and low voltage (20) to protect the transformer against defects in its high voltage coils (15), power surges from maneuvers in the high voltage network that feeds it, short circuits and overloads of long duration that may occur in low voltage circuit AC power supply and air surge occurring on the network that feeds the transformer primary and secondary network fed by him.

**9) Family number: 22903695 (US2884514A)**

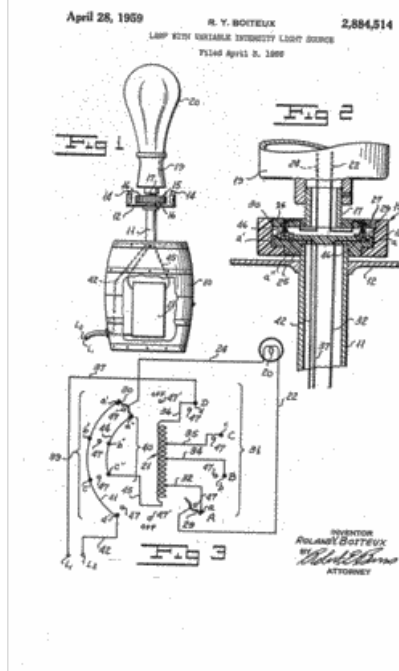
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Title: LAMP WITH VARIABLE INTENSITY LIGHT SOURCE**Priority:** US19560575752 19560403

Family:	Publication number	Publication date	Application number	Application date
	US2884514 A	19590428	US19560575752	19560403

Probable Assignee: BOITEUX ROLAND Y**Assignee(s):(std):** BOITEUX ROLAND Y**Inventor(s):(std):** BOITEUX ROLAND Y**International class (IPC 8-9):** H05B39/06 (Advanced/Invention); H05B39/00 (Core/Invention)**International class (IPC 1-7):** F21V23/02**CPC:** Y10S323/905 H05B39/06 Y10T307/747**European class:** H05B39/06**US class:** 307/113 323/905 362/410[Classification Explorer](#)**Cited documents:** US489526 A, US390911 A, US2048577 A, IT355949 A, IT337350 A,**Forward Citations:** WO9103684, US7401944, US5023522, US2006109650,**Abstract:**

(Claim 1) 1. An electric transformer contained in said enclosure, said auto-transformer having two supply terminals and a series of taps delivering different voltages, a lamp-supporting member projecting from the enclosure, and switch means for connecting the lamp to different taps of the auto-transformer, a source of current, two lead wires from the source of current, a first supply terminal of the auto-transformer being connected to a first lead wire, the switch means having a movable switching member with a first contact a set of second, fixed, respective taps of the co-operating with the of the switching member connecting the second light comprising an enclosure, an auto-transformer connected to one side of the lamp, spaced contacts connected to the auto-transformer and selectively first contact at each "on" position, and circuit providing means supply terminal of the auto-transformer and the second side of the lamp to the second lead wire in a plurality of "on" positions of the switching element, said circuit providing means includes a set of fixed interconnected spaced third contacts connected to the second lead wire, a set of fixed interconnected spaced fourth contacts connected to the second supply terminal of the auto-transformer, certain of the third contacts being positioned close to respective related fourth contacts, and a fifth contact mounted on the switching member, said fifth contact being connected to the second side of the lamp and bridging and connecting related third and fourth contacts when the switching member is in any one of a number of "on" positions there being one excess third contact as compared to the number of fourth contacts, and the contacts being so arranged and constructed that when the fifth contact cooperates with the excess one of the third contacts it disconnects the second terminal of the auto-transformer from the second lead wire, the switching member being annular and rotatably mounted around the lamp-supporting member, the first and fifth contacts being generally diametrically oppositely located on the switching member, the sets of third and fourth contacts being disposed on the lamp-supporting member in portions of concentric circles on one side of the lamp-supporting member, related ones of the third and fourth contacts being located generally on the same radial line, and the second contacts being disposed on the enclosure in a portion of a circle on the opposite side of the lamp-supporting member.

**10) Family number: 21675760 (US2138335A)**

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Title: CONTROL OF ELECTRIC DISCHARGE TUBES
Priority: 19370205 US19370177205 19371130
Family:

Publication number	Publication date	Application number	Application date
US2138335 A	19381129	US19370177205	19371130

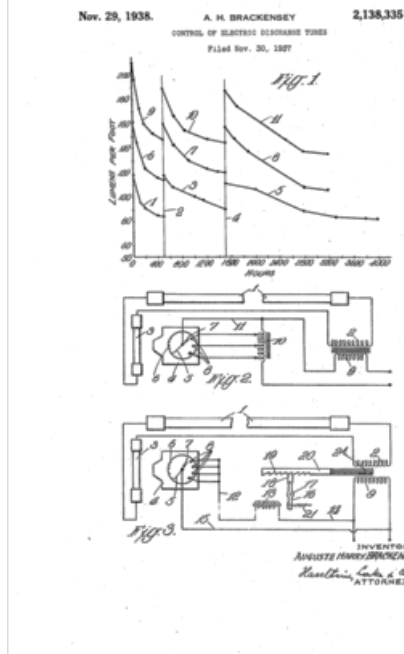
Probable Assignee: FRANCO BRITISH ELECTRICAL CO
Assignee(s):(std): FRANCO BRITISH ELECTRICAL CO ; FRANCO BRITISH ELECTRICAL COMP
Assignee(s): THE FRANCO BRITISH ELECTRICAL COMPANY LIMITED ; FRANCO BRITISH ELECTRICAL CO LTD
Inventor(s):(std): HARRY BRACKENSEY AUGUSTE
Inventor(s): BRACKENSEY AUGUSTE HARRY
International class (IPC 8-9): H05B41/40 (Advanced/Invention); H05B41/38 (Core/Invention)
International class (IPC 1-7): H05B41/36
CPC: H05B41/40
European class: H05B41/40
US class: 250/205 315/151 315/158 315/281

[Classification Explorer](#)

Forward Citations: US2853654,

Abstract:

1. .A method for controlling mercury low pressure electric discharge tubes having a luminescent coating on the interior Walls of the tube, which consists in boosting the current flow through the tube at progressively increasing intervals of time during the useful life of the latter to maintain the luminous output thereof.

**11) Family number: 20916814** (GB544681A)

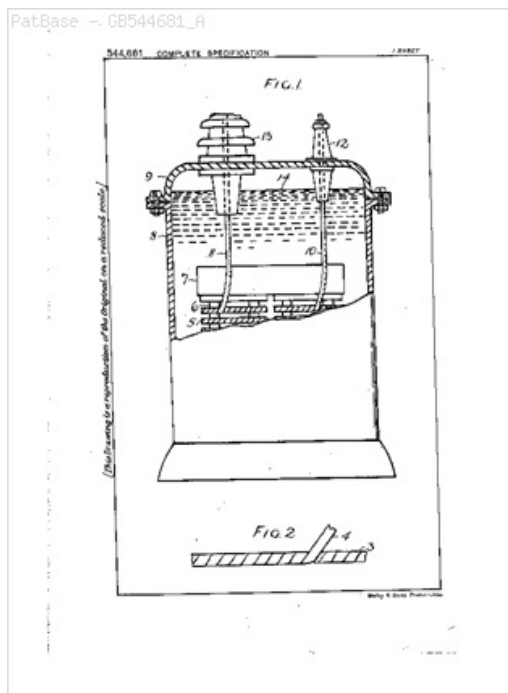
© PatBase

Title: Improvements relating to the insulation of electrical apparatus

Family:	Publication number	Publication date	Application number	Application date
	GB544681 A	19420423	GB19400015538	19401022

Probable Assignee: BRITISH THOMSON HOUSTON CO LTD**Assignee(s):(std):** BRITISH THOMSON HOUSTON CO LTD**Assignee(s):** THE BRITISH THOMSON HOUSTON COMPANY LIMITED**International class** H01F27/08 (Advanced/Invention);
(IPC 8-9): H01F27/08 (Core/Invention)**CPC:** H01F27/08**European class:** H01F27/08[Classification Explorer](#)**Forward Citations:** US2697740,**Abstract:**

Drawings to Specification. [Classes 96 and 140] [Also in Group XXXVI] Heat-resisting insulation for the current conducting elements of an electric device, such as a transformer, cable, capacitor, or reactor, comprises a coating formed of inorganic fibres held in a solidified hydrogel of inorganic material applied around said elements, and a liquid halogenated hydrocarbon cooling agent surrounding said coating. The coating may be applied as sheet or tape and comprise glass fibres bonded with bentonite as in Specification 539,797, or the glass fibres may be replaced by asbestos or other inorganic fibres; spacers for transformer coils may be formed of similar material. Specification 394,776, [Group XXXVI], also is referred to.

**12) Family number: 52810978 (BRMU9002081U)**

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Title: processo de condicionamento de ar frio e desumidificado, direcionado por dutos dieletricos as partes ativas do transformador eletrico a seco Process of air conditioning and cold dehumidified, directed by ducts dielectrics the active parts of the transformer electric Cleaning (Machine translation)

Priority: BR2010MU02081U 20100913

Publication number	Publication date	Application number	Application date
BRMU9002081 U2	20130101	BR2010MU02081U	20100913

Probable Assignee: DA SILVA PAULO ANDRE CANEDO

Assignee(s):(std): DA SILVA PAULO ANDRE CANEDO

Assignee(s): PAULO ANDRE CANEDO DA SILVA

Inventor(s):(std): DA SILVA PAULO ANDRE CANEDO

Inventor(s): PAULO ANDRE CANEDO DA SILVA

International class H01F27/08 (Advanced/Invention)

(IPC 8-9):

[Classification Explorer](#)

Abstract:

Source: BRMU9002081U [PT] PROCESSO DE CONDICIONAMENTO DE AR FRIO E DESUMIDIFICADO, DIRECIONADO POR DUTOS DIELETRICOS AS PARTES ATIVAS DO TRANSFORMADOR ELETRICO A SECO. De acordo com o presente de modelo de utilidade e proposto pelo condicionamento as partes ativas do transformador, propiciando alternativas que nao influenciem na vida util do equipamento, para atuar em picos de sobrecargas (ate certos patamares) e com nivel de ruido baixo. A nova funcionalidade do modelo de utilidade proposto esta na regulacao dos fluxos de dispersao e reducao das perdas internas. A reducao pelo controle termico, das resistencias termicas e resistencias eletricas, se faz presente pelo monitoramento, sistema de aquisicao de dados, propiciando o controle para tomadas de decisoes do sistema gerenciador, com fiabilidade operacional. O processo do modelo de utilidade direciona sua capacidade de condicionamento com maior enfase nas partes centrais da parte ativa. O processo do modelo de utilidade habilita o transformador a operar em faixas de temperatura nas quais, pela condutividade termica caracterizar a maxima condutividade eletrica.

Machine translation: PROCESS AND COLD AIR CONDITIONING dehumidified, DIRECTED BY PIPELINE dielectric PARTIES ACTIVE ELECTRICAL TRANSFORMER DRY. According to this utility model proposed by conditioning and the active parts of the transformer, providing alternatives that do not influence the lifetime of the equipment to operate at peak overloads (up to certain levels) and low noise level. A new feature of this utility model proposed in the regulation of the flow of dispersal and reduction of internal losses. The reduction by thermal control, and Thermal resistances of electrical resistances, is present for monitoring, data acquisition system, providing control of decisions taken for the system manager, with operational reliability. The process utility model directs its ability to conditioning with greater emphasis on the central parts of the active part. The process utility model enables the processor to operate in temperature ranges in which, for the thermal conductivity characterize the maximum electrical conductivity.

Family:	Publication number	Publication date	Application number	Application date
	CN102318158 A	20120111	CN201080007619	20100212
	DE602009008150 D1	20120906	DE200960008150T	20090212
	DE602010006059 D1	20130529	DE201060006059T	20100212
	EP2219277 A1	20100818	EP20090152673	20090212
	EP2219277 B1	20120711	EP20090152673	20090212
	EP2396866 A2	20111221	EP20100706570	20100212
	EP2396866 B1	20130403	EP20100706570	20100212
	HK1147604 A1	20110812	HK20110101665	20110218
	HK1167752 A1	20121207	HK20120106135	20120621
	HK1167752 A1	20130816	HK20120106135	20120621
	HK1167752 B	20130816	HK20120106135	20120621
	US2011304141 AA	20111215	US20100148351	20100212
	WO10092158 A2	20100819	WO2010EP51808	20100212
	WO10092158 A3	20101014	WO2010EP51808	20100212

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Forward Citations: WO16018982, WO15191840, WO14016532, WO14016532, WO13020605, US9932966, US9618950, US9494139, US9478987, US9450410, US9400512, US9377009, US9312669, US9163611, US8907637, US8121739, US2018076730, US2016010626, US2015168965, US2015108952, US2015108764, US2014246856, US2013335887, US2013265014, US2011178646, US2011109085, US10048709, RU2630679, FR2994039, EP2942796, EP2863511, DE10213206241, CN105429150, CN105098814, CN104578139, CN104578112, CN103368254, CN103368254,

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grid, to a booster transformer modified for switching-in an electricity grid of an off-shore wind park to an on-shore electricity grid and to an AC-connection for operating an electricity grid of an off-shore wind-park switched-in to an on-shore electricity grid.

