



New connection on: : 08-09-2018 : 02:51:16 - Last disconnection on: : 08-09-2018 : 00:39:47

V 4.0.0.44358(LP,U,linux) (Rev:43856 2017-04-27 09:03:29 +0200#(D201802)) (RPM D201802)

Welcome to EPOQUE Rebuild under the Production Environment

[EPODOC: SS 12] extract and (fire or flame+) and smoke and motor

Results in EPODOC 1

[SS 13] ..li



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PN - [JP2000064726](#) A 20000229

PR - JP19980239128 19980825

AP - JP19980239128 19980825

DT - I

FI - E06B3/38; E06B7/084; F24F13/20; F24F7/04&B

FT - 2E014/AA03; 2E014/EA00; 2E014/EA01; 2E014/EB02; 2E014/EB05; 2E036/JA09; 2E036/JC03; 2E036/KA03; 2E036/KB05; 2E036/LA06; 2E036/LA09; 2E036/LB04; 2E036/LB06; 2E036/MA01; 2E036/NA04; 2E036/NB01; 2E036/QA05; 3L058/BA04; 3L058/BB04; 3L058/BC03

PA - TAISEI CORP

TI - **SMOKE** EXHAUST WINDOW

AB - PROBLEM TO BE SOLVED: To lessen opening on a wall face and saving labor and cost on installing a window by rotatably connecting a window body in which a louver is arranged at a part of the body and the **smoke** exhaust window is integrally formed with the louver, to the window frame formed of lateral frames and vertical frames. SOLUTION: A window body 3 is attached to a window frame 2 formed of lateral frames and vertical frames to constitute this **smoke** exhaust window 1. A panel member such as glass or the like is fitted in the lateral and vertical frames in the window body 3. A louver 8 is fitted in the upper half. The window body 3 is connected to the lateral frames of the window frame 2 by hinges 4, 4 and urged to the opening side by a pair of stay dampers 7, 7 and usually held in the closing side by a rope. Fixed louvers 81 and movable louvers 82 are alternately arranged in the louver 8. The movable louvers 82 are swingably set by a drive **motor** and opened/closed by a switch for opening/closing the louvers. When ventilating, the louver 8 is opened and the door body 3 is opened by making the rope loose in a **fire** to **extract smoke**. In this way, the opening space is reduced to enhance the strength of a building and further, the labor for the installation work can be saved.

[SS 13] (fire or flame+) and smoke and motor and exhaust+

Results in EPODOC 315

[SS 14] 13 and motor

Results in EPODOC **315**

[SS 15] 13 and electric+

Results in EPODOC **65**

[SS 16] 15 and (propeller or turbine)

Results in EPODOC **2**

[SS 17] ..li



1/2 © EPODOC / EPO

PN - [CN205478386U](#) U 20160817

PR - CN2016237134U 20160114

AP - CN2016237134U 20160114

DT - I

CCA - [Y02E10/226](#)

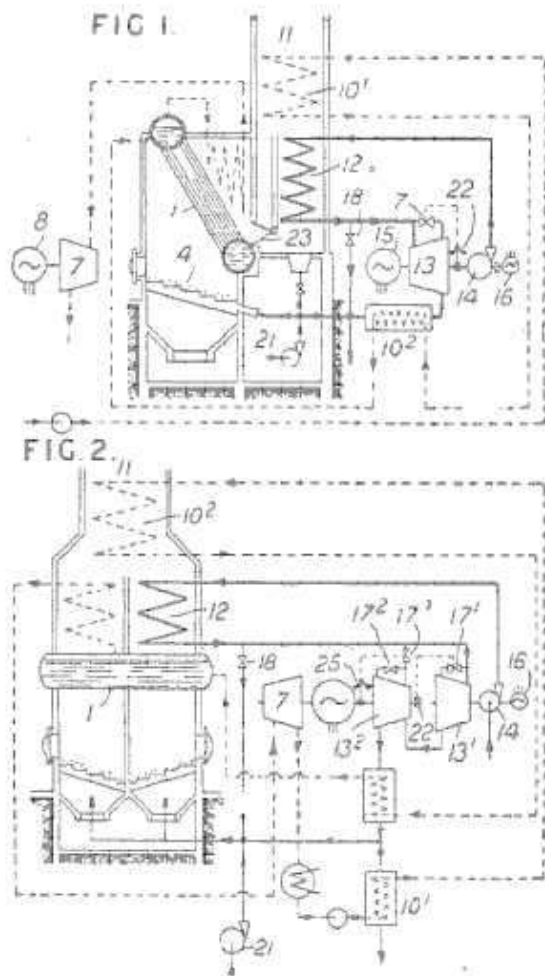
PA - REN QUBO

TI - Water conservancy type is from **smoke exhaust** fan of **electricity** generation area illumination

AB - The utility model discloses a water conservancy type is from **smoke exhaust** fan of **electricity** generation area illumination belongs to the **fire** -fighting robot field. The utility model discloses a water conservancy type is from **smoke exhaust** fan of **electricity** generation area illumination, including the fan and the hydraulic **turbine**, still include the generator, hydraulic **turbine** shell in hydraulic **turbine** install?impeller serve at one of water wheels axle, the other end of water wheels axle pass in proper order behind generator erection board, the action wheel with the fan shell in the one end of fan axle link to each other, the cover is equipped with fan wheel on the other end of fan axle, the sending out a **motor** rotation and pass the generator erection board of generator after the cover be equipped with driven round, pass through the hold -in range from driving wheel and action wheel and link to each other, output and the charging source of generator link to each other, charging source links to each other with the bulb. The utility model discloses simple structure, design benefit, **smoke** textraction effect is good, can realize hydroelectric power generation charge the illumination the purpose.

2/2 © EPODOC / EPO

PN - [GB567404](#) A 19450213
 PR - CHX567404 19420611
 AP - GB19430008523 19430527
 DT - *
 CCI - [F01K23/06](#) ; [F01D17/105](#) ;
[F01K23/10](#)
 PA - OERLIKON MASCHF
 TI - Improvements in or relating
 to **turbine** power plant
 AB - 567,404. Steam generators.
 MASCHINENFABRIK OERLIKON.
 May 27, 1943, No. 8523.
 Convention date, June 11,
 1942. [Class 123 (ii)] [Also in
 Group XXVI] In a plant having
 a steam **turbine** 7 and a
 steam generator 1, and an air
 or other gas **turbine** 13, an
 external machine 16 may be
 used to start up the **turbine**
 13, compressor 14 and driven
 machine 15 driven by
 the **turbine**. The machine 16
 may be an **electric motor**
 supplied with current from an
 external source, and is
 switched off when the **turbine**
 13 is running normally. If the
 driven machine 15 operates
 in parallel with other
 machines, it must be
 connected up to the network,
 after reaching its operating
 speed. When running
 normally, the **turbine** 13 is
 driven by compressed air
 which is heated in a heater 12
 by gases from a furnace 4
 after passing the steam
 generator 1. Regulation of the
 air **turbine** is secured by
 bypassing one or more
 stages by the opening of a
 valve 17, controlled by a
 governor 22. When the valve
 17 is fully open, the output of
 the **turbine** 13 is just
 sufficient to drive its
 compressor 14. This requires
 about three-quarters of the
 normal **turbine** output.
 The **turbine** 7 is a



backpressure **turbine** whose **exhaust** can be utilised for heating and cooking. The feed water for the generator is preheated in a heater 101, in the **smoke** stack, and a heater 10 <5>, heated by **exhaust** air from the **turbine** 13. A fan 21 supplies air for starting up the furnace 4, or when the air **turbine** plant is out of action. The starting **motor** 16 can be dispensed with where the **turbine** 7 is first started at low steam pressure, and the machine 8 supplies current to the machine 15 which acts as a **motor** to drive the set 13, 14. The turbines 7, 13 can be used to drive a single useful output machine, in which case the starting **motor** is dispensed with. To shut down the air plant, a valve 18 is opened, allowing the air to pass to the furnace 4. The output of the air **turbine** and compressor 14 ceases, the furnace **fire** dies down or the steam plant is shut down. To prevent overheating of the heater 12, the gases from the furnace can be bypassed to the stack 11, by opening a damper 23. Cold air may also be supplied by the fan 21. The valve 18 can be used for regulating the air **turbine** plant. Fig. 2 shows an alternative lay-out with air turbines 13<1> and 13<2> coupled as shown. The low-pressure **turbine** 13<2> operates on the same current generator 8 as the steam **turbine** 7. The starter **motor** 16 is used to start up the compressor set 13<1>, 14. The furnace is arranged in two parts. A regulator 22 controls a valve 17<1> in the bypass conduit of the **turbine** 13<1>. At low

load of the plant, the valve 17<1> opens to reduce the speed of the **turbine** 13<1>, causing the output of the compressor 14 to be reduced and thus the output of the **turbine** 13<2>. When the desired low load is reached the valve 17 closes. In order to balance the outputs of the turbines 13<1> and 13<2>, at low loads, a valve 17<2> is provided to bypass some air from the **turbine** inlet. When the load is to be increased, a valve 17<3> is opened. The valves 17<2> and 17<3> may be controlled by a governor 25.

[SS 17] 13 and strap

Results in EPODOC 2

[SS 18] ..li



1/2 © EPODOC / EPO

PN - [CN201891878U](#) U 20110706

PR - CN20102654139U 20101210

AP - CN20102654139U 20101210

DT - I

PA - ZHEJIANG JINDUN FAN CO LTD; YIGEN XU; YUEXIN XU; BINGXIANG GU; ZHIXIN YU; JIANG LOU

TI - Curtain type adjusting air valve

AB - The utility model relates to an adjusting air valve for opening or closing an **exhaust** flaring of a metro tunnel, in particular to a curtain type adjusting air valve which can effectively prevent **smoke** leakage in case of a **fire** disaster in the tunnel. The curtain type adjusting air valve comprises a frame and a rolling drum which is provided with a curtain, wherein the two ends of the rolling drum are fixed at the upper end of the frame through bearing seats; the bottom end of the frame is provided with a guide wheel bearing pedestal; a curtain guide shaft is arranged below the frame and is provided with a curtain guide wheel and a guide bearing seat; the guide bearing seat is matched with a guide wheel bearing pedestal; the curtain guide wheel is matched with a pulling **strap** which is connected with the curtain; and a transmission shaft with a speed reducer and a **motor** is arranged on the same side of the rolling drum and the curtain guide shaft. Through the adjusting air valve, the area of an air outlet can be increased during ventilation, the air leakage rate is small when the adjusting air valve is closed, the **smoke** leakage can be effectively controlled, personnel are timely evacuated, and the loss of life and property is reduced.

2/2 © EPODOC / EPO

- PN - [CN2602202Y](#) Y 20040204
- PR - CN2002292875U 20021231
- AP - CN2002292875U 20021231
- DT - I
- PA - SHANGHAI SHIKUI AIR CONDITIONI [CN]
- TI - **Fire**-extinguishing cabinet style centrifugal ventilator
- AB - The utility model relates to a **fire** hydrant type centrifugal blower, and comprises a casing, a scroll casing, an impeller, an electric **motor**, an air intake flange, and an air discharge flange. The utility model is characterized in that an impeller rotary shaft is connected with the casing through a fireresistant bearing; the electric **motor** is arranged on the top of the casing. The **fire** hydrant type centrifugal blower comprises a casing, a scroll casing, an impeller, an electric **motor**, an air intake flange, and an air discharge flange, and is characterized in that an impeller rotary shaft is connected with the casing through a fireresistant bearing, the electric **motor** is arranged on the top of the casing, the electric **motor** and the impeller rotary shaft are connected through the **strap** of a belt pulley. The utility model has the advantages that the **fire** hydrant type centrifugal blower can continue to operate for 30 minutes under the high temperature **smoke** of 280 Celsius Degree and on the occasion that the large building breaks out of **fire**, thus meeting the requirements of **fire** fighting and **smoke exhausting**.

[SS 18] 13 and portable

Results in EPODOC 3

[SS 19] ..li



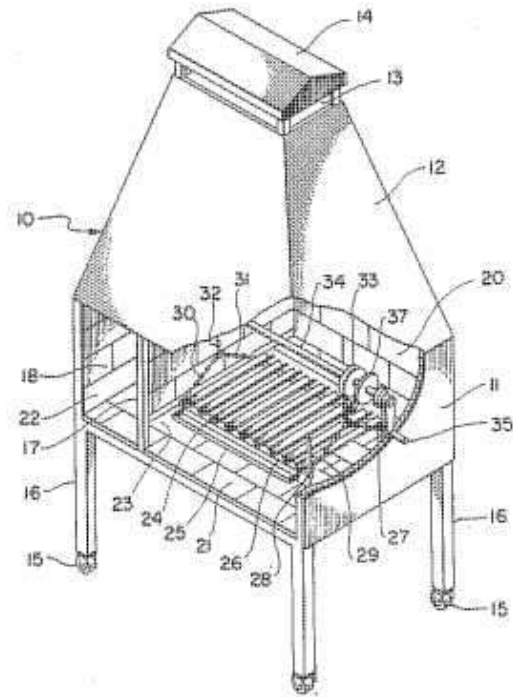
1/3 © EPODOC / EPO

- PN - [CN205874935U](#) U 20170111
- PR - CN20162632686U 20160624
- AP - CN20162632686U 20160624
- DT - I
- PA - UNIV CHANGSHA SCIENCE & TECH
- TI - Equipment is repaired fast in **portable** bituminous paving hole groove
- AB - The utility model relates to an equipment is repaired fast in **portable** bituminous paving hole groove, an equipment is repaired fast in **portable** bituminous paving hole groove include the heating furnace, lead fiery passageway, (mixing) shaft and stirring vane, speed governing appearance, **motor**, damping rings, scalably discharge fume tub, temperature monitor, discharge gate and ejection of compact platform, stove, some firearm, **fire** regulation, shallow platform. Its advantage shows: can be through the temperature of **fire** regulation and temperature monitor real time control and observation heating furnace, stirring speed is adjustable, and evenly distributed's the fiery passageway of leading enables the mixture thermally equivalent on the section of thick bamboo wall, and it is high that mixture heating efficiency is vulcanized at the scene, and it is little to consume energy, need not plantmix in advance, **exhaust** pipe height -adjustable is equipped with the filter screen in, and the **smoke** and dust that the heating back produced is discharged

through filtering the back, and it can to have the feature of environmental protection, through the removal of universal wheel, the mixture can conveniently unload to the assigned position and carry out the operation of road surface fixed point, can be quick, in succession, the efficient repairs bituminous paving hole groove.

2/3 © EPODOC / EPO

- PN - [US4658710](#) A 19870421
- PR - US19860822398 19860127
- AP - US19860822398 19860127
- DT - *
- CT - [US3199503](#) A []; [US3981233](#) A [];
[US4462306](#) A []; [US4541406](#) A []
- CCI - [A47J37/0704](#)
- CCA - [A47J2037/0795](#)
- PA - QUET HECTOR P; SELAME ROWLAND A
- TI - **Portable** barbecue
- AB - A **portable** barbecue is disclosed herein having an enclosed, hooded grill with an **exhaust** chimney intended to eliminate much of the **smoke** and **flame** normally encountered during a barbecue cooking procedure. The grill is provided with a plurality of V-shaped channels for catching and transporting fats and juices from the cooking meat. A collector pan is carried along one end of the grill to receive the juices from the channels. The coals are disposed directly under the grill and a manual or **motor** drive is employed to raise and lower the grill with respect to the coal bed. A stabilizing ring on the grill encircling a rod maintains the grill in a substantially horizontal condition.



3/3 © EPODOC / EPO

- PN - [CN2750083Y](#) Y 20060104
- PR - CN2004295815U 20041126
- AP - CN2004295815U 20041126

DT - I

PA - YANG ZISHAN [CN]

TI - **Portable smoke exhaust** fan for **fire** extinguishing

AB - The utility model discloses a **portable smoke exhaust** fan for **fire** protection, which comprises a casing, a **motor** and a blade wheel. The utility model is characterized in that the **portable smoke exhaust** fan for **fire** protection also comprises a frame. The casing and the **motor** are arranged in the frame; the blade wheel is arranged in the casing; one side of the casing is provided with an air inlet; the other side of the casing is provided with the **motor**; the side surface of the casing is provided with an air outlet. The utility model has the characteristics of safety, simple operation and flexibility.

[SS 19]