

1) Family number: 14915002 (WO0058543A1)

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Title: PROCESS AND DEVICE FOR TRANSPORTING COLOURING POWDERS FROM BATCHING DEVICES TO DISSOLVING DEVICES

Abstract: A process and a system are disclosed for transporting and/or dissolving coloring powders from batching devices (11) to dissolving devices (51), these process and system performing the steps of: collecting coloring powders from the batching devices (11); vacuum sucking the batched coloring powders; and vacuum transporting the sucked coloring powders to the dissolving devices (51). Further steps are provided for air blowing against coloring powders residuals after the sucking and transporting steps, to collect the residuals and afterwards suck them and vacuum transport them. Steps are further provided for cleaning the vessels (3) comprising washing, sucking and transporting the liquid to the dissolving devices (51) or to external discharge means.

Classifications:

International (IPC 8-9): B01F1/00 B01F3/12

D06B23/20 (Advanced/Invention);

B01F1/00 D06B23/20 (Advanced/Non-invention);

B01F3/12 D06B23/00 (Core/Invention);

B01F1/00 (Core/Non-invention)

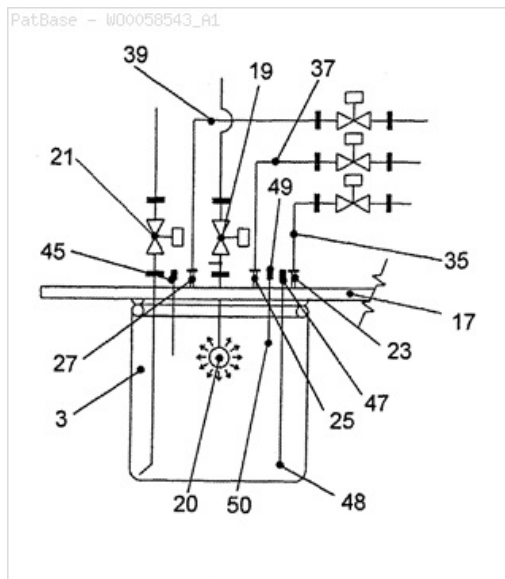
International (IPC 1-7): D06B23/20 D06P

CPC: B01F1/00 B01F3/1271 B01F2003/125 B01F2215/005

D06B23/205

European: B01F3/12P D06B23/20B L01F1/00 L01F215/00A60

L01F3/12G



Family:

Publication number	Publication date	Application number	Application date
AT243274 E	20030715	AT19990956309T	19991102
AU200012939 A1	20001016	AU20000012939	19991102
AU200012939 A5	20001016	AU20000012939	19991102
DE69908983 D1	20030724	DE19996008983	19991102
EP1165874 A1	20020102	EP19990956309	19991102
EP1165874 B1	20030618	EP19990956309	19991102
ES2201803 T3	20040316	ES19990956309T	19991102
IT1307229 B1	20011030	IT1999T000249	19990331
ITTO990249 A1	20001002	IT1999T000249	19990331
KR20020003229 A	20020110	KR20017012553	19991102
WO0058543 A1	20001005	WO1999IT00349	19991102

Priority:

IT1999T000249 19990331 WO1999IT00349 19991102

Probable Assignee: TERMoeLETRONICA S P A

Assignee(s): (std): PESENTI GIORGIO ; TERMoeLETRONICA S P A

Assignee(s): TERMoeLETRONICA S P A AZZANO S PAOLO ; TERMoeLETRONICA SPA

Inventor(s): (std): PESENTI GIORGIO

Inventor(s): GIORGIO PESENTI

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US VN YU ZA ZW

2) Family number: 63993025 (WO16181748A1)

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Title: POWDER DISSOLVING DEVICE AND DISSOLVING METHOD

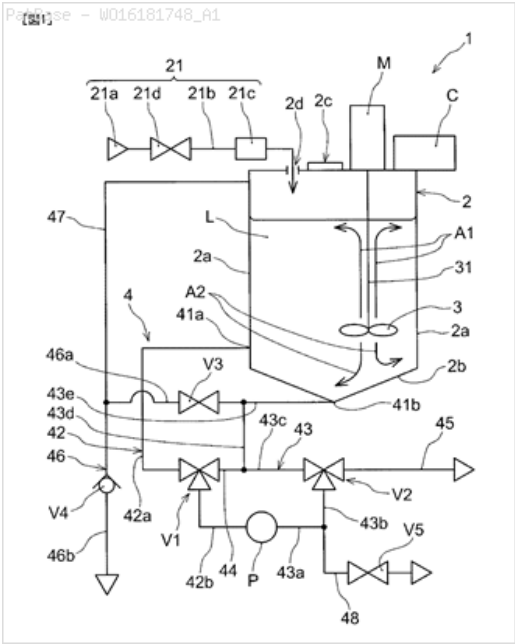
Abstract: The purpose of the present invention is to provide a powder dissolving device and dissolving method that suppress the arising of undissolved powder at the bottom of a dissolution tank, thereby preventing powdered agents from remaining undissolved. This powder dissolving device 1 is provided with a dissolution tank 2 for storing a dissolving solution L, stirring blades 3 provided in the dissolution tank 2, a connecting pipe 4 linking to the dissolution tank 2 at at least two locations of different heights, and a pump P provided in the connecting pipe 4, and is characterized in that the stirring blades 3 are disposed in a position that is a prescribed spacing distance from the bottom 2b of the dissolution tank 2, and the dissolution

tank 2 and the connecting pipe 4 are connected such that the dissolving solution L in the dissolution tank 2 is sent to the bottom 2b side of the dissolution tank 2 through the connecting pipe 4 by driving the pump P and the flow of the dissolving solution L discharged into the dissolution tank 2 from the connecting pipe 4 flows along the bottom 2b of the dissolution tank 2.

Classifications:

International (IPC 8-9): B01F1/00 B01F15/02 B01F7/00
B01F7/22 (Advanced/Invention)

CPC: B01F1/00 B01F7/22 B01F15/02



Family:

Publication number	Publication date	Application number	Application date
CL2017002842 A1	20180601	CL20170002842	20171109
CO20170011914 A2	20180209	CO20170011914	20171123
JP2016181748 A1	20180301	JP20170517836T	20160414
MX2017014427 A1	20180410	MX20170014427	20160414
WO16181748 A1	20161117	WO2016JP61959	20160414

Priority:

JP20150096755 20150511 WO2016JP61959 20160414

Probable Assignee: NIPRO CORP

Assignee(s): (std): NIPRO CORP

Inventor(s): (std): HIROKI MATSUBARA ; KAZUTO HAMANO ; SATOSHI HARADA ; TOSHINARI TAKAHASHI ; YOSHIYUKI SONODA ; TAKAHASHI TOSHINARI ; SONODA YOSHIYUKI ; MATSUBARA HIROKI ; HARADA SATOSHI ; HAMANO KAZUTO

Agent(s): MARINO PORZIO; JOSE ANDRES RINCON USCATEGUI; ASAHINA AND CO

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN 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 IR IS IT JP KE KG KM KN KP KR KZ LA LC LK 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 PA PE PG PH PL PT QA RO RS RU RW SA 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

3) Family number: 10832030 (JP7124455A)

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Title: POWDER DISSOLVING DEVICE

Abstract: PURPOSE: To obtain a dissolving device in which the dispersion of powder into a liquid is made uniform to rapidly obtain a homogeneous solution of a fixed concentration. CONSTITUTION: The device consists of a hopper 1 to which a feeding means 6 for feeding powder is fitted, a weighing tank 2 to which a weighing means 7 for measuring the weight required for one batch of the fed powder is fitted, a mixer 3 in which powder whose weight is required for the weighed one batch is dispersed and mixed in an in-line manner in a liquid whose weight is required for one batch required to obtain a solution of a fixed concentration, and a dissolving tank 4 to which an agitator 23 for agitating the powder dispersed liquid mixture is fitted.

Classifications:

International (IPC 8-9): B01F1/00 (Advanced/Invention);
B01F1/00 (Core/Invention)

International (IPC 1-7): B01F1/00

Publication number	Publication date	Application number	Application date
JP2782154 B2	19980730	JP19930297539	19931102
JP7124455 A2	19950516	JP19930297539	19931102

JP19930297539 19931102

Assignee(s): (std): TORAY ENG CO LTD

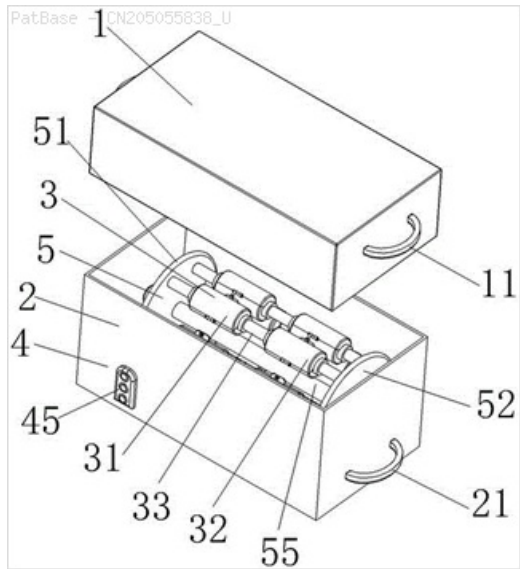
Assignee(s): (std): TORAY ENG CO LTD

Assignee(s): TORAY ENGINEERING CO LTD

Inventor(s): (std): ADACHI MITSUYOSHI ; HIROSE MICHIRO ; IGAWA KOICHI ; IKUTA MICHINOBU

Abstract: The utility model discloses a xiLin bottle powder dissolving device, be by last box, down box, several xiLin bottle bear the weight of device, motor device and support device and form, several xiLin bottle bears the weight of device fixed the setting on the support device respectively, motor device and support device be fixed the setting under on the box bottom plate respectively, upward the box overlaps under on the box, the carrier is put into respectively with xiLin bottle to the during operation, goes up the box cover on box down, controller regulation and control engine speed, the engine passes through the drive belt and drives the carousel connecting axle and rotate, several xiLin bottle bears the weight of the device and rotates, xiLin bottle fast turn -round in the carrier, the powder fully dissolves through the liquid medicine, kills engine, take off the box after, open to upload and cover, then take out xiLin bottle. The utility model discloses convenient operation, safe and reliable, convenient to carry alleviates medical personnel's intensity of labour, saves operating time, improves work efficiency, makes bottle interior powder in xiLin accomplish and dissolves the reinforcing property of a medicine, but wide application.

International (IPC 8-9): B01F1/00 B01F9/02 (Advanced/Invention)



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Publication number	Publication date	Application number	Application date
 CN205055838 U	20160302	CN201520839296U	20151027

Priority:

CN201520839296U 20151027

Probable Assignee: UNIV JILIN

Assignee(s): (std): JILIN UNIV ; UNIV JILIN

Inventor(s): (std): QU DANHUA ; WANG YANJUN ; YAN LIJUAN ; ZHANG DONGYI ; ZHAO YUE ; ZHOU JIAYING

5) Family number: 68107067 (CN206837875U)

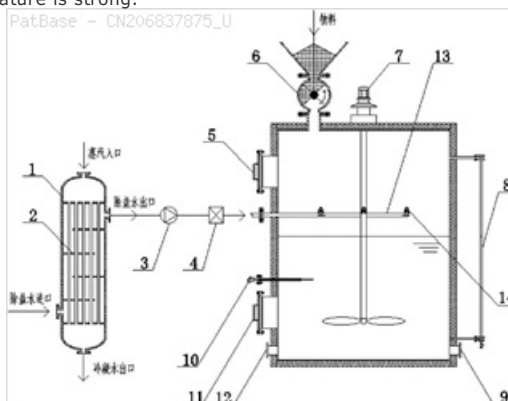
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Title: QUICK DISSOLVING DEVICE OF BASICITY ADSORBENT SOLID POWDER

Abstract: The utility model relates to a solid powder dissolving device, in particular to quick dissolving device of basicity adsorbent solid powder. The device includes demineralized water preheating device (1), baffling board (2), high pressure water pump (3), flow controller (4), upward manhole (5), star dispenser (6), scalable agitator (7), level gauge (8), solution export (9), thermocouple (10), lowermanhole (11), drain (12), annular spray gun (13), nozzle (14), the demineralized water export of demineralized water preheating device (1) links to each other with the entry of high pressure water pump (3), and the export of high pressure water pump (3) links to each other with the entry of flow controller (4), and the export of flow controller (4) links to each other with the demineralized water of annular spray gun (13) entry. This equipment structure is simple, convenient operation, and low in production cost, economic nature is strong.

Classifications:

International (IPC 8-9): B01F1/00 B01F13/10 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
 CN206837875 U	20180105	CN201720328110U	20170330

Priority:

CN201720328110U 20170330

Probable Assignee: UNIV SOUTHEAST

Assignee(s): (std): SOUTHEAST UNIV ; UNIV SOUTHEAST

Inventor(s): (std): HUANG YAJI ; WANG JIAN ; XIA WENQING ; YANG ZHAO ; ZHA JIANRUI

6) Family number: 8081136 (JP60190222A)

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Title: AUTOMATIC POWDER DISSOLVING DEVICE

Abstract: PURPOSE: To dissolve and mix a powdery substance, by utilizing the streams of water and a fluid.

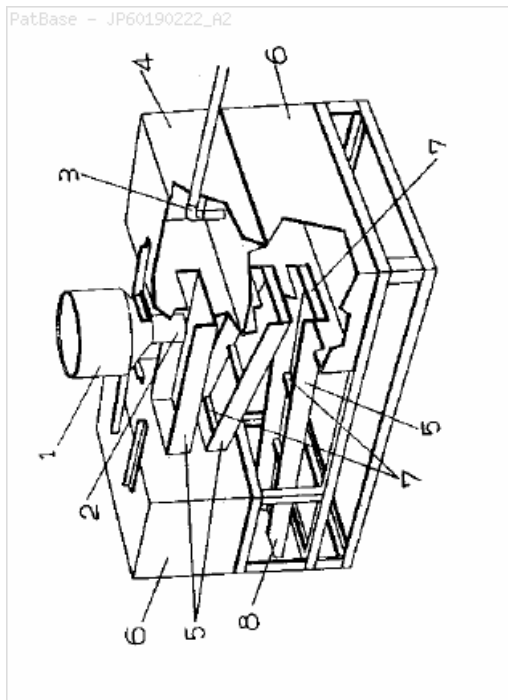
CONSTITUTION: Water is flowed into a water tank 4 from a pipe 3 and flowed to a water channel 4 while the water speed thereof is weakened in said tank. A necessary amount of a powder is charged to the surface of water from a powder charging machine 1 through a charging port 2. By this method, an aqueous solution can be prepared continuously.

Classifications:

International (IPC 8-9): B01F1/00 (Advanced/Invention);

B01F1/00 (Core/Invention)

International (IPC 1-7): B01F1/00

**Family:**

Publication number	Publication date	Application number	Application date
JP60190222 A2	19850927	JP19840047933	19840313

Priority:

JP19840047933 19840313

Probable Assignee:

ONISHI HISATOSHI

Assignee(s): (std):

ONISHI HISATOSHI

Assignee(s):

OONISHI HISATOSHI

Inventor(s): (std):

OONISHI HISATOSHI

7) Family number: 61867247 (JP2017035656A)

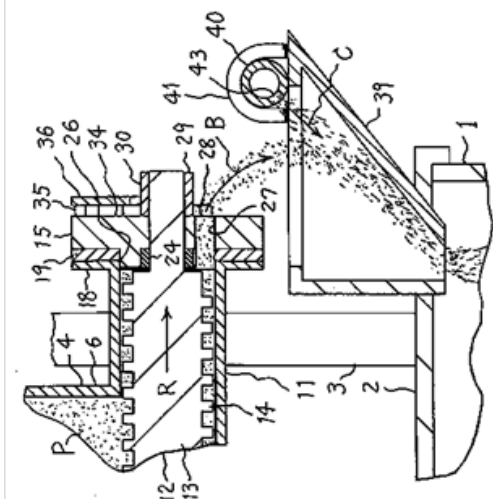
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Title: POWDER DISSOLVING DEVICE

Abstract: PROBLEM TO BE SOLVED: To provide a powder dissolving device which prevents a polymer coagulant projected into a dissolution tank and agitated from getting to an undissolved lump state and can dissolve the polymer coagulant homogeneously into water. SOLUTION: A powdery polymer coagulant P in a powder container 4 is conveyed by means of a rotated screw feeder 12, further, and is caused to pass through a powder hole 27 formed on an outlet member 15, an opening and closing member 29 fixed to an axial part 13 of the screw feeder 12 is brought into sliding contact with an outer surface 34 of the outlet member 15 and, at the same time, is rotated and a powder discharge port 28 of the powder hole 27 is opened and closed by the rotated opening and closing member 29, the polymer coagulant discharged when the powder discharge port 28 is opened is sprinkled over water released from a water conduit 40 and the water sprinkled with the polymer coagulant is projected into a dissolution tank 1 and is agitated. When the rotation of the screw feeder 12 is stopped, the opening and closing member 29 certainly closes the powder discharge port 28. SELECTED DRAWING: Figure 7

Classifications:

International (IPC 8-9): B01F1/00 B01F15/00 B01F15/02
B01F15/04 (Advanced/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
JP2017035656 A2	20170216	JP20150157838	20150809
JP5877619 B1	20160308	JP20150157838	20150809

Priority:

JP20150157838 20150809

Probable Assignee:

AMUKON KK

Assignee(s): (std):

AMUKON KK

Assignee(s):

AMUKON CO LTD

Inventor(s): (std):

KADOWAKI YUKI

8) Family number: 6767292 (JP59115732A)

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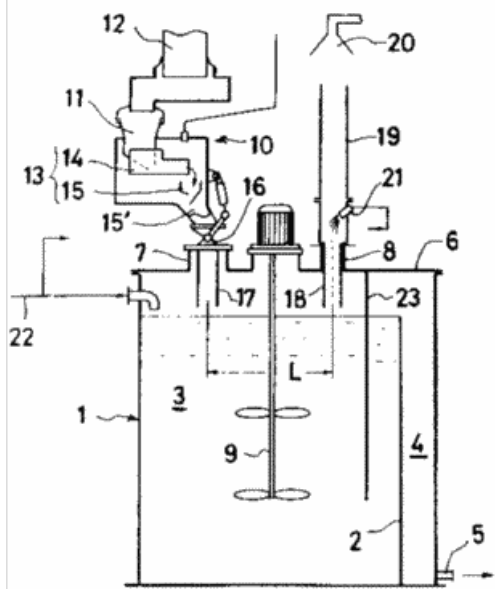
Title: POWDER DISSOLVING DEVICE

Abstract: PURPOSE: To enhance accuracy of measuring a powder and to prevent the powder from being discharged as powdery dust out of the device by weighing the powder with a weighing device, feeding it through a baffling cylinder with its lower end located near the surface of a water storage part to the water, and installing a like baffle cylinder at the exhausting opening. CONSTITUTION: The inside of a dissolving tank 1 is provided with an overflow plate 2 for forming a constant-level water storage part 3, an agitator 9 for mixing and stirring the liquid in the part 3, the inlet 17 of the powder located above the part 3, an exhaustion outlet 18 for exhausting a gas out of the inside of the tank 1, and the main body 10 of a weighing machine having a built-in automatic powder weighing machine 13, and further, baffle cylinders at the inlet 17 and the outlet 18 with their lower ends located near the surface of the liquid, and when needed, a spraying means 21 in the pipe 19 connected with the outlet 18.

Classifications:

International (IPC 8-9): B01F1/00 B01F13/04 (Advanced/Invention);
B01F1/00 B01F13/00 (Core/Invention)

International (IPC 1-7): B01F1/00

**Family:**

Publication number	Publication date	Application number	Application date
JP59115732 A2	19840704	JP19820225048	19821223

Priority:

JP19820225048 19821223

Probable Assignee: KURITA WATER IND LTD
Assignee(s): (std): KURITA WATER IND LTD
Assignee(s): KURITA KOGYO KK
Inventor(s): (std): KANAMORI SHIYUNICHI

9) Family number: 11469296 (JP6226068A)

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Title: POWDER DISSOLVING DEVICE

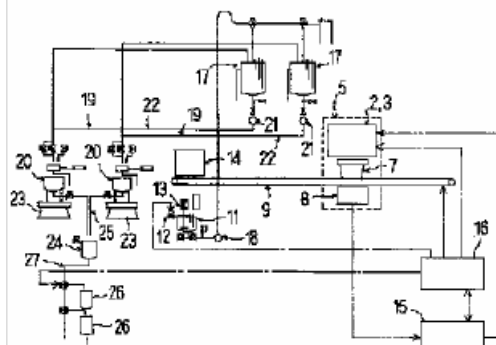
Abstract: PURPOSE: To provide the powder dissolving device which can manage the concn. of liquid dyes with high accuracy. CONSTITUTION: This powder dissolving device forms a prescribed concn. of soln. by feeding a prescribed amt. of powder from a storage hopper 2 to a dissolving tank 11 and feeding water into the powder in this dissolving tank 11. The device has an automatic metering device 5 which is a powder metering means for metering the powder supplied from the storage hopper 2 and a computer 15 which is a control means for controlling the water feed rate for obtaining the soln. of the prescribed concn. in the dissolving tank 11 in accordance with the target amt. of the powder commanded to the storage hopper 2 and the actual amt. of the powder obtd. by the automatic metering device 5.

Classifications:

International (IPC 8-9): B01F1/00 D06B23/20 (Advanced/Invention);
 B01F1/00 D06B23/00 (Core/Invention)

International (IPC 1-7): B01F1/00 D06B23/20

PatBase - JP6226068_A2

**Family:**

Publication number	Publication date	Application number	Application date
JP6226068 A2	19940816	JP19930019741	19930208

Priority:

JP19930019741 19930208

Probable Assignee:

HISAKA WORKS LTD

Assignee(s): (std):

HISAKA WORKS LTD

Inventor(s): (std):

NOMURA SATOSHI ; ISHIMARU OSAMU

10) Family number: 69605527 (CN207307624U)

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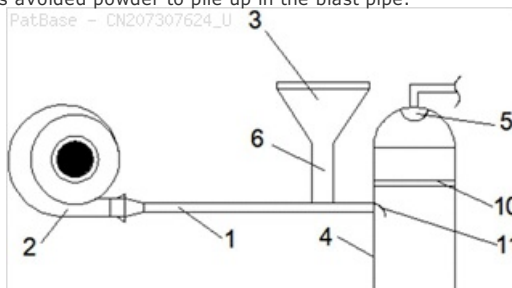
Title: POWDER DISSOLVING DEVICE

Abstract: The utility model discloses a powder dissolving device, including blast pipe, fan, hopper and spray column. The utility model discloses in, through sprayed medicament and powder air flow mixed to the powder bubble can be smashed to the medicament, improves powder dissolution ratio. The utility model discloses in, at discharging pipe unloading in -process, through annular screen's filtration, can guarantee that the powder that gets into the blast pipe refines the degree, avoid medicine powder block to get into the spray column humidifying and bond, the setting of mixing arm is used for smashing the powder caking, guarantees the smooth unloading of powder. Simultaneously, the discharging pipe passes through the annular screen unloading, has restricted powder unloading speed, has avoided powder to pile up in the blast pipe.

Classifications:

International (IPC 8-9): B01F1/00 B01F13/02

B01F15/02 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN207307624 U	20180504	CN201721065649U	20170824

Priority:

CN201721065649U 20170824

Probable Assignee: ANHUI ZHONGKANG PHARMACEUTICAL CO LTD

Assignee(s): (std): ANHUI ZHONGKANG PHARMACEUTICAL CO LTD

Assignee(s): ANHUI PUBLIC KANG PHARMACEUTICAL CO LTD ; ANHUI ZHONGKANG PHARMACEUTICAL CO

Inventor(s): (std): ZHAO ZHENHAI ; MA JUNCHAO

11) Family number: 63167539 (CN205435505U)

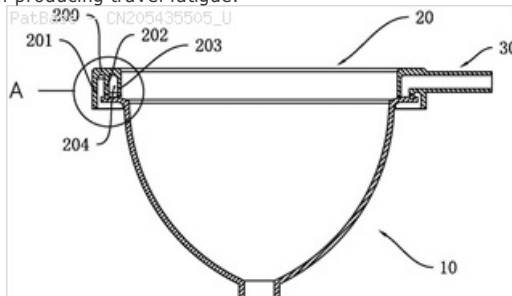
© PatBase

Title: POWDER DISSOLVING DEVICE

Abstract: The utility model discloses a powder dissolving device, including cup and bowl cover, still include the feed liquor pipe, the bowl cover has the first side wall including apron, apron lower surface from outer the extension to interior interval in proper order, and second lateral wall and third lateral wall are formed with the liquid runner between second lateral wall and the third lateral wall, and the feed liquor pipe runs through the first side wall in proper order and just feeds through with the liquid runner with the second lateral wall, and there is the clearance in second lateral wall butt cup between third lateral wall and the cup, and the clearance is followed cup circumference and is increased in proper order. Its advantage is favorable to fully dissolving of powder, prevents that the powder from producing travel fatigue.

Classifications:

International (IPC 8-9): B01F1/00 B01F5/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN205435505 U	20160810	CN201521132982U	20151230

Priority:

CN201521132982U 20151230

Probable Assignee: SHANGHAI GUXIANG ELECTRONIC TECH CO LTD

Assignee(s): (std): SHANGHAI GUXIANG ELECTRONIC TECH CO LTD

Assignee(s): SHANGHAI GUXIANG ELECTRONIC TECHNOLOGY CO ; SHANGHAI GU XIANG ELECTRONIC TECHNOLOGY CO LTD

Inventor(s): (std): CAO DONGSHENG

12) Family number: 60590566 (CN204699595U)

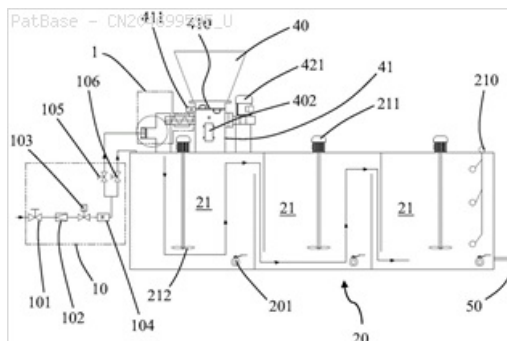
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Title: POWDER DISSOLVING DEVICE

Abstract: The utility model provides a powder dissolving device, include: the system of intaking, the box sets up in box top and with the box and intake and dilute dissolving device at the beginning of the waterfall of system's intercommunication flows, and the funnel is located the liquid valve of bottom half, the box comprises the sub - box of a plurality of intercommunications, stirring vane that the top of every sub - box was provided with agitator motor and was connected with agitator motor, the funnel below is equipped with blanking pipe and discharging pipe, is equipped with the screw rod in the discharging pipe, the discharging pipe extend go into to dilute dissolving device at the beginning of waterfall flows in, the screw rod is carried the powder under the drive of crowded material motor to the waterfall stream at the beginning of among the dilution dissolving device. Through the preliminary dilution of dilution dissolving device at the beginning of the waterfall stream to the powder, make moist the preblending of the even fully completion of powder and solvent, guaranteed the agglomeration of not agglomerating when the powder dissolves, improve the preparation efficiency of water preparing medicament and reduce the cost of labor.

Classifications:

International (IPC 8-9): B01F1/00 B01F13/10 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
■ CN204699595 U	20151014	CN201520449446U	20150626

Priority:

CN201520449446U 20150626

Probable Assignee: NANJING SU CHANGYUAN TECHNOLOGY IND CO LTD

Assignee(s): (std): NANJING SU CHANGYUAN TECHNOLOGY IND CO LTD

Assignee(s): NANJING SU CHANGYUAN TECHNOLOGY INDUSTRIAL CO

Inventor(s): (std): CHANG QINGZHU

13) Family number: 56838623 (JP2014111229A)

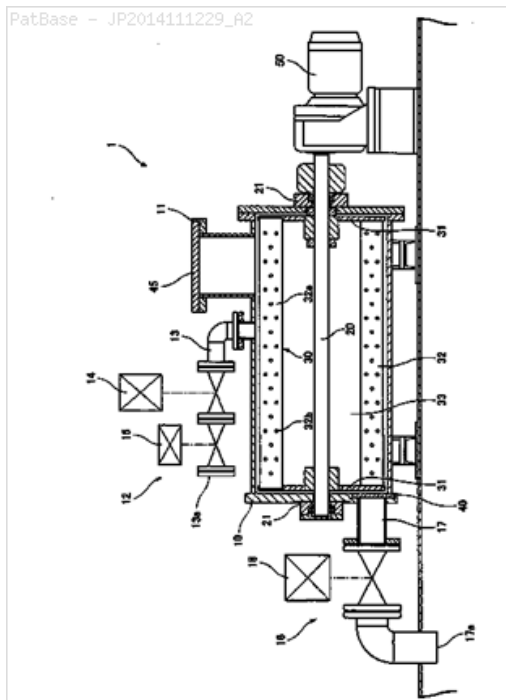
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Title: POWDER DISSOLVING DEVICE AND POWDER DISSOLVING METHOD THEREFOR

Abstract: PROBLEM TO BE SOLVED: To provide a powder dissolving device which can reduce laminar flow part in a dissolving tank by a simple construction in the dissolving tank and promote dissolution of powder into liquid.SOLUTION: A powder dissolving device 1 dissolves powder by stirring the powder and liquid fed into a dissolving tank 10 having a horizontal cylinder shape and comprises a rotating shaft 20 which is attached to a central part of the dissolving tank 10 and stirring blades 30 which are fixed to the rotating shaft 20. Each of the stirring blades 30 comprises support arms 31 protruding from the rotating shaft 20 in the radial direction of the dissolving tank 10 and a blade body 32 which is supported by protruding tip parts of the support arms 31 and is extended along the longitudinal inner wall of the dissolving tank 10, with an opening 33 formed by protrusion base parts of the support arms 31 and the blade body 32 being provided along the rotating shaft 20. The blade body 32 is disposed in the inner wall side of the dissolving tank 10 while maintaining a gap between itself and the inner wall of the dissolving tank 10 in such a manner that the stirring blade 30 is rotatable. Powder and liquid are lifted by rotation of the stirring blades 30 and the powder and liquid which have been lifted are made to drop into the opening 33 while they are moved in an upper side of the dissolving tank 10.

Classifications:

International (IPC 8-9): B01F1/00 B01F15/02 B01F3/12 B01F7/04 (Advanced/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
JP2014111229 A2	20140619	JP20120265862	20121205

Priority:

JP20120265862 20121205

Probable Assignee: HITACHI SHIPBUILDING ENG CO**Assignee(s):** (std): HITACHI SHIPBUILDING ENG CO ; HITACHI ZOSEN CORP**Inventor(s):** (std): KAWAGUCHI HIROAKI**14) Family number: 12091650** (JP7075723A)

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Title: POWDER DISSOLVING DEVICE

Abstract: PURPOSE: To provide a powder dissolving device with which the powder dissolving work is continuously done with high agitating efficiency and washing inside equipment is easy to do and also there is not much trouble and there is no deterioration of solvent, etc. CONSTITUTION: A dynamic pressure generating pump 3, a self-contained mixer 6 and a liquid transfer pump 7 are installed. In the self-contained mixer 6, a mixing pipe 10 is provided with a solvent introducing port 11, a powder introducing port 12 and a liquid mixture discharge port 13. The dynamic pressure generating pump 3 is connected to the solvent introducing port 11, and a powder tank 5 is connected to the powder introducing port 12, and the liquid transfer pump 7 is connected to the liquid mixture discharge port 13. Solvent at a high speed is passed through the mixing pipe 10 of the self-contained mixer 6 by the dynamic pressure generating pump 3, and the internal pressure is lowered by venturi effect to suck powder. The powder is entangled in the flow of the solvent and agitated and dissolved.

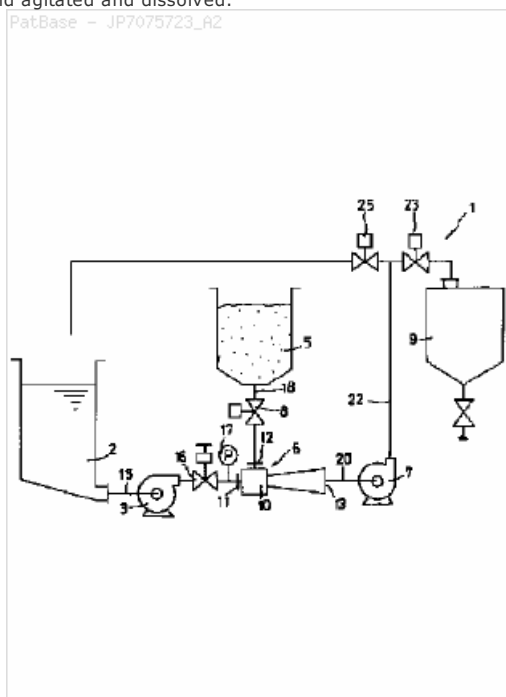
Classifications:**International (IPC 8-9):** B01F1/00 B01F3/12

B01F5/04 (Advanced/Invention);

B01F1/00 B01F3/12 B01F5/04 (Core/Invention)

International (IPC 1-7): B01F1/00 B01F3/12 B01F5/04

PatBase - JP7075723_A2



Family:

Publication number	Publication date	Application number	Application date
JP7075723 A2	19950320	JP19930248645	19930908

Priority:

JP19930248645 19930908

Probable Assignee:	HISAKA WORKS LTD
Assignee(s): (std):	HISAKA WORKS LTD
Inventor(s): (std):	HIKITA MASATO

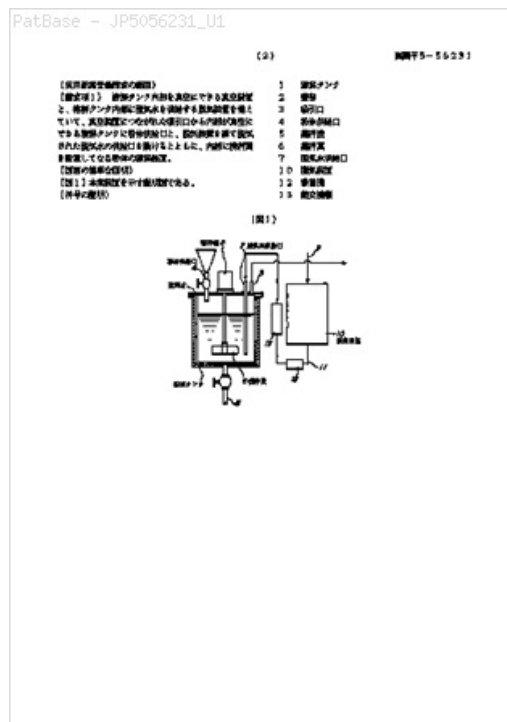
15) Family number: 35945662 (JP5056231U)

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Title: Powder dissolving device (Machine translation)

Classifications:

International (IPC 8-9): A23C7/00 B01F1/00
B01F7/16 (Advanced/Invention);
A23C7/00 B01F1/00 B01F7/16 (Core/Invention)
International (IPC 1-7): A23C7/00 B01F1/00 B01F7/16



Family:

Publication number	Publication date	Application number	Application date
JP5056231 U1	19930727	JP19920003625U	19920107

Priority:

JP19920003625U 19920107

Probable Assignee:	SNOW BRAND MILK PROD CO LTD
Assignee(s): (std):	SNOW BRAND MILK PROD CO LTD
Assignee(s):	SNOW BRAND MILK PRODUCTS CO LTD

16) Family number: 33699773 (CN2834683Y)

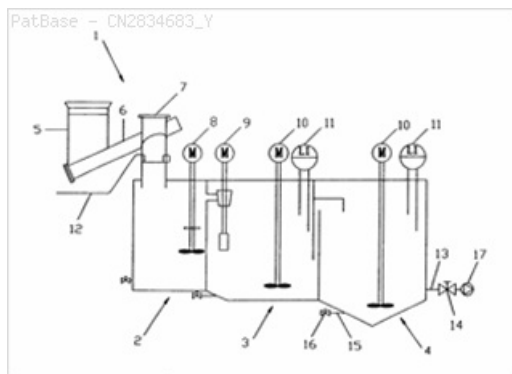
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Title: Full-automatic powder dissolving device

Abstract: The utility model relates to a full-automatic powder dissolving device. The utility model comprises a charging unit, a wetting unit, a maturing unit, a storage unit, a control unit, a clear water pipeline, a material pipeline and a material valve, wherein the charging unit is provided with a funnel, a shaker and a frequency converting charging spiral; the wetting unit is provided with a wetting device and a dispersing device; the maturing unit is provided with a high shearing emulsifier, a propulsion stirrer and a liquid level meter; the storage unit is provided with another propulsion stirrer and another liquid level meter; the control unit is provided with a PLC programmable controller. The utility model has the advantages that high automation of equipment, small ground occupation, simple operation, low cost, and convenient installation; only a water source, an electric source and an air source need to be arranged on site; the work is safe, and the equipment can automatically alarm after the equipment has faults.

Classifications:

International (IPC 8-9): B01F1/00 (Advanced/Invention);
B01F1/00 (Core/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN2834683 Y	20061108	CN200520045333U	20050927

Priority:

CN200520045333U 20050927

Probable Assignee: SHANGHAI SANLIXING ENVIRONMENT

Assignee(s): (std): SHANGHAI SANLIXING ENVIRONMENT

Assignee(s): SHANGHAI SANLIXING ENVIRONMENT PROTECTION TECHNOLOGY EQUIPMENT CO ; SHANGHAI SANLIXING ENVIRONMENT PROTECTION TECHNOLOGY EQUIPMENT CO

Inventor(s): (std): ZHOU HUAMIN

Inventor(s): HUAMIN ZHOU

17) Family number: 50621991 (CN102337556A)

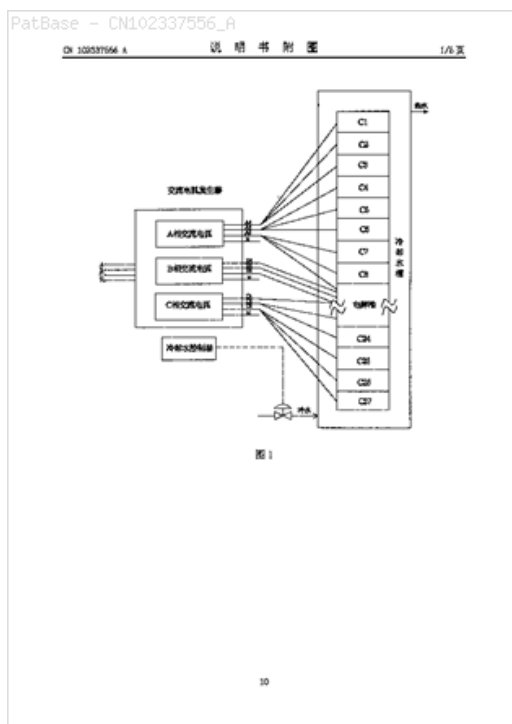
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Title: RHODIUM POWDER DISSOLVING DEVICE BASED ON ALTERNATING CURRENT ARC PROCESS AND APPLICATION THEREOF

Abstract: The invention discloses a rhodium powder dissolving device based on an alternating current arc process and application thereof. In the device, 27 groups of alternating current arc electrolyzers are installed with three variable electrolysis voltages of 55 volts, 60 volts and 65 volts. The device is used for alternating current arc dissolution of rhodium powder with the processing capacity of 2.7-3.1kg/day. The device has the advantages of compact structure, small occupied area, low equipment cost and large rhodium powder dissolving scale.

Classifications:

International (IPC 8-9): B01F1/00 C25B1/26
C25B9/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN102337556 A	20120201	CN201010238846	20100728
CN102337556 B	20130925	CN201010238846	20100728

Priority:

CN201010238846 20100728

Probable Assignee: BEIJING CHEM INST CHINA PET

Assignee(s): (std): BEIJING CHEM INST CHINA PET ; CHINA PETROLEUM AND CHEMICAL ; CHINA PETROLEUM AND CHEMICAL CORP ; SINOPEC BEIJING RESEARCH INST OF CHEMICAL IND

Assignee(s): BEIJING CHEMICAL INST CHINA PETROLEUM AND CHEMICAL CORP

Inventor(s): (std): BO HU ; FENGXING HUANG ; HU BO ; HUANG FENGXING ; LV SHUNFENG ; SHUNFENG LV ; WU XIUXIANG ; XIUXIANG WU ; XIUYING ZHANG ; ZHANG XIUYING