

Diego Gonzalez

1) Family number: 73708120 (CN109511383A)

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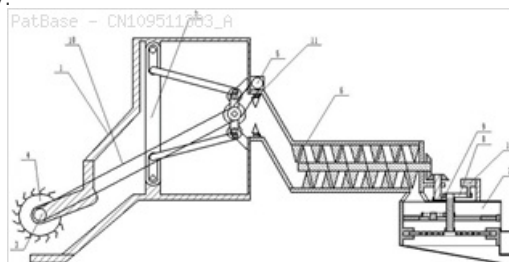
Title: AGRICULTURAL CORN SHELLER

Abstract: The invention relates to an agricultural machine, and concretely relates to an agricultural corn sheller. Secondary separation of corn is carried out through a screening device, so the corn kernels and crushed corncobs are separated sufficiently; the screening device is arranged at a foreign material discharging port, so foreign materials can be easily collected, and the environmental quality is easily improved; and the corncob transportation capacity of an auxiliary push rod assembly can be easily changed, so the efficiency of the machine is easily improved. The agricultural corn sheller includes a frame assembly, the auxiliary push rod assembly, a push rod belt wheel, a push rod, an input motor, a crusher, the screening device, a driving belt 1, a driving belt 2, a connecting belt 1, a connecting belt 2 and a right motor, and the upper end and the lower end of a left hinged support rod can be conveniently fixedly connected to an upper hinged fixed frame and a lower hinged fixed frame; an upper hinged connecting frame and the discharging port of the frame are conveniently fixedly connected to the upper side and the lower side of the right end surface of an auxiliary frame; and a pushing rod shaft can be conveniently fixedly connected to the front end of a pushing rod body.

Classifications:

International (IPC 8-9): A01F11/06 A01F12/40 A01F12/44 A01F12/56 (Advanced/Invention)

CPC: A01F11/06 A01F12/40 A01F12/44 A01F12/56



Family:

Publication number	Publication date	Application number	Application date
■ CN109511383 A	20190326	CN201811524503	20181213

Priority:

CN201811524503 20181213

Probable Assignee:

WU YANHONG

Assignee(s): (std):

WU YANHONG

Inventor(s): (std):

WU YANHONG

2) Family number: 79039398 (CN210580095U)

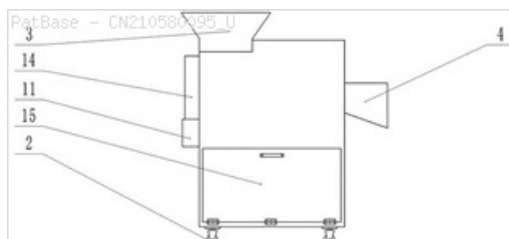
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Title: A corn thresher (Machine translation)

Abstract: Source: CN210580095U **Machine translation:** The present utility model discloses a corn thresher, characterized in that: said corn sheller including chassis, caster, feed port, corn cob residue discharge port, the discharge port, spiral blade shaft, the rejection stick, scraping teeth, drain holes, corn kernels collection tank, blower fan, an electric motor, a belt, a protective shell, a flapper door, said helical blade shaft at one end is mounted a first pulley, the second pulley and the motor is mounted on the lower end of the corn grain collection tank mounted rollers, said casters mounted on the bottom of the housing, wherein the corn grain collection tank from the flapper door into the interior of the housing, the spiral blade shaft mounted in the lower end of the feed port, the motor is mounted on the back of the cabinet, said first pulley and said second pulley with the belt connected. The utility model has the advantages are: moving flexible, threshing, corn, corn kernels to slag clean, complete storage simple.

Classifications:

International (IPC 8-9): A01F11/06 A01F12/18 A01F12/44 A01F12/60 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
■ CN210580095 U	20200522	CN201921070440U	20190710

Priority:

CN201921070440U 20190710

Probable Assignee: DIOVAN ULTRA

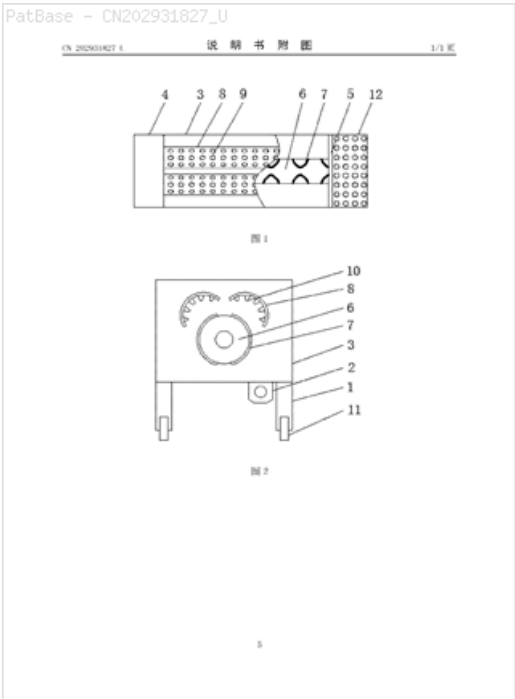
Assignee(s): DIOVAN ULTRA ; NURI BOOLEAN ANCIENT LAI ; RULIN

Title: CORN SHELLER

Abstract: The utility model discloses a corn sheller. The corn sheller comprises a rack, wherein a motor and a threshing chamber are formed on the rack; a feeding hopper is arranged on one side of the threshing chamber, and a discharge port is formed on the other side; a rotating shaft is rotatably arranged in the threshing chamber; the output shaft of the motor is in transmission connection with the rotating shaft through a belt; two waved convex ribs distributed on the two sides of the rotating shaft are arranged on the outer wall of the rotating shaft; two parallel semi-cylindrical blocking covers are arranged above the rotating shaft; threshing holes are uniformly distributed in the two blocking covers; a plurality of threshing convex teeth are formed on the inner walls of the two blocking covers; and the threshing chamber is positioned between the rotating shaft and the two blocking covers. The corn sheller is simple in structure and convenient and flexible in installation and use, can replace a person to perform efficient and quick threshing operation on corn, is complete in threshing of corn cobs and good in effect, can effectively save manual labor and resources, reduces labor intensity of workers and improves production and processing efficiency.

Classifications:

International (IPC 8-9): A01F11/06 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN202931827 U	20130515	CN201220542351U	20121023

Priority:

CN201220542351U 20121023

Probable Assignee: ANHUI JINFENG MACHINERY CO LTD

Assignee(s): (std): ANHUI JINFENG MACHINERY CO LTD

Assignee(s): ANHUI JINFENG MACHINERY CO

Inventor(s): (std): JIA GUANGCHAO ; WANG WUMIN

Title: Small corn sheller

Abstract: The utility model relates to an agricultural machine, in particular to a small corn sheller, which comprises a chassis, a motor, a shelling roller and barrels with feed inlets and discharge outlets, the motor is fixed on the chassis, the shelling roller is movably mounted on both ends of the top of the chassis through bearings on both ends, the barrels are mounted outside the ports of both ends of the shelling roller, the shelling roller is connected with the motor through belts and belt pulleys, the ports of the shelling roller are shelling teeth which are integrated with the shelling roller, and the tips of the shelling teeth are inclined toward the center of the shelling roller from the circumference of the shelling roller. The product can shell corn ears which are just harvested, corncobs cannot be crushed, and do not carry niblets, and the small corn sheller can thoroughly shell corn ears in one step.

Classifications:

International (IPC 8-9): A01F11/06 (Advanced/Invention)

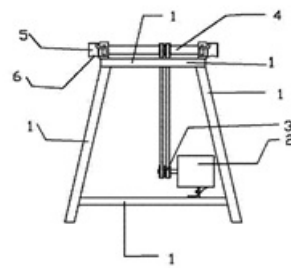


图 1

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Family:

Publication number	Publication date	Application number	Application date
 CN201898741 U	20110720	CN201020661297U	20101215

Priority:

CN201020661297U 20101215

Probable Assignee:

SHUITIAN DUN

Assignee(s): (std):

SHUITIAN DUN

Assignee(s):

DUN SHUITIAN

Inventor(s): (std):

SHUITIAN DUN

Inventor(s):

DUN SHUITIAN

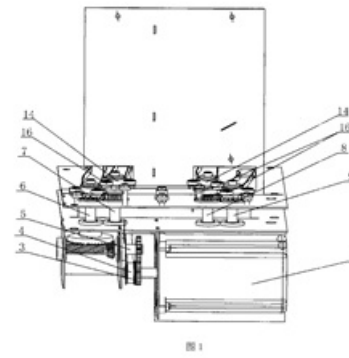
5) Family number: 53067123 (CN202722073U)

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Title: POWER TRANSMISSION DEVICE OF FRESH CORN THRESHER

Abstract: Source: CN202722073U **Machine translation:** A corn sheller power transmitting means fresh. Mainly to solve the existing large corn sheller transmission synchronization performance is poor, the structure is not compact and high cost. Characterized in that: a direct belt drive between the motor (2) and the shaft (5) geared motor (2) and the spindle (10); driving shaft (5) and the first back stems power shaft (6) with vertical and through the bevel gear drive, between the first retreat Terrier power shaft (6) and the second retreat Terrier power shaft (7) 1:1 straight gear, a second back Terrier power shaft (7) and the first feeding power shaft (6) between the transmission belt between the first feeding power shaft (8) and a second power feeding shaft (9) 1:1 straight gear. The fresh corn sheller power transmission device to change the power transmission, power source using only one motor, power respectively transmitted to the automatic feeding device, cutter and automatic withdrawal stems means good synchronization performance, compact, low cost.

Classifications:**International (IPC 8-9):** A01F11/06 A01F12/56 (Advanced/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
CN202722073 U	20130213	CN201220437263U	20120830

Priority:

CN201220437263U 20120830

Probable Assignee:

WANG JUNCAI

Assignee(s): (std):

WANG JUNCAI

Inventor(s): (std):

WANG JUNCAI ; YAN QI

6) Family number: 65590543 (CN206136699U)

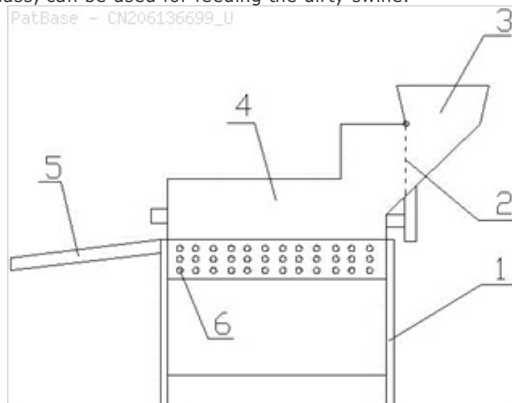
© PatBase

Title: CORN SHELLER

Abstract: The utility model belongs to the technical field of agricultural equipment, specifically a corn sheller. A corn sheller, includes the frame, rotatory shell grain axle, motor and shell the granules hopper, the frame on be equipped with and shell the granules hopper, shell and be equipped with the rotatory grain axle of shelling in the granules hopper, rotatorily shell that the grain is epaxial to be equipped with a plurality of rows and to shell a post, a rotatory axle head portion of shelling passes through the belt and is connected with the motor, shells the granules hopper bottom and is equipped with as if the dry net hole, shells granules hopper one end upside and is equipped with the feed inlet, shells the granules hopper other end and is equipped with the discharge gate, is equipped with the filter that had the filtration pore below the discharge gate. The utility model discloses simple structure, the operation is reliable, and during the use, the kernel of corn is shelled down the back and is filtered out the collection from the mesh of shelling the granules hopper bottom, and the corn -on -the -cob is then discharged from the discharge gate after stirring the bits of broken glass, can be used for feeding the dirty swine.

Classifications:

International (IPC 8-9): A01F11/06 A01F12/18
A01F7/04 (Advanced/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
CN206136699 U	20170503	CN201621084845U	20160928

Priority:

CN201621084845U 20160928

Probable Assignee:

LIU XIANQING

Assignee(s): (std):

LIU XIANQING

Inventor(s): (std):

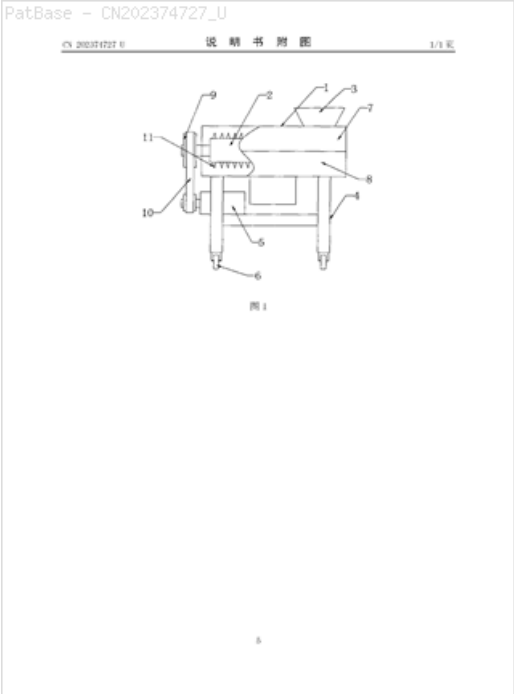
LIU XIANQING

Title: Wet corn sheller

Abstract: The utility model discloses a wet corn sheller, which comprises a case, a roll shaft, a feeding port and a discharging port, wherein the feeding port is arranged on the top of the case, the discharging port is arranged on the lower portion of the case, the case is arranged on a frame, the frame below the case is provided with an electrical motor, the case comprises an upper case and a lower case, the upper case and the lower case are fixed together through a bolt, the roll shaft is arranged inside the case, one end of the roll shaft extends out of the case, a driving wheel is arranged on a portion of the roll shaft which extends out of the case, the driving wheel is connected with the electrical motor through a conveying belt, and a plurality of conical teeth are arranged unevenly on the roll shaft which is arranged in the case. The wet corn sheller can perform mechanical shelling processing of wet corn, the processing is rapid, and manpower resources and material resources are saved greatly.

Classifications:

International (IPC 8-9): A01F11/06 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
 CN202374727 U	20120815	CN201120448539U	20111114

Priority:

CN201120448539U 20111114

Probable Assignee:

GU JUN

Assignee(s): (std):

GU JUN

Inventor(s): (std):

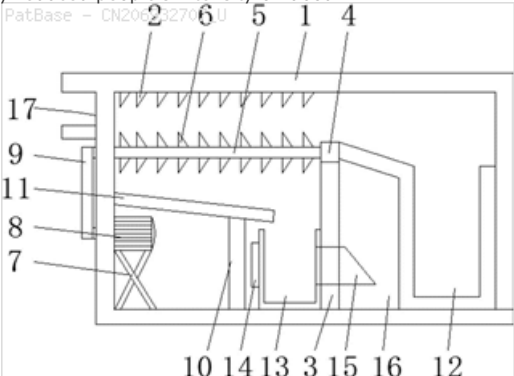
GU JUN

Title: CORN SHELLER

Abstract: The utility model provides a corn sheller, collect the bag including mount, axis of rotation, motor and maize clothing, fixed broach is installed to top right -hand member in the mount, install the rotation broach in the axis of rotation, the motor passes through the supporting seat to be installed on the mount, and the motor passes through transmission belt drive with the axis of rotation and beconnected, be provided with the maize collecting box on the mount of the right side lower extreme of baffle, and the right side of maize collecting box is provided with the maize clothing and collectsthe bag, install the fan on the left side outer wall of maize collecting box, be provided with the corn stalk collecting box on the mount on the right side of maize clothing collection bag. The utility model discloses a fixed broach uses with the cooperation of rotating the broach for it is better to shell an effect, and efficiency is higher, uses through the cooperation of a fan and an intercommunication section of thick bamboo, can blow the maize clothing in the kernel of corn into during the maize clothing collects the bag, makes the maize cleaner, simultaneously also greatly reduced people's intensity of labour.

Classifications:

International (IPC 8-9): A01F11/06 A01F12/18 A01F12/44 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
 CN206932707 U	20180130	CN201621385460U	20161216

Priority:

CN201621385460U 20161216

Probable Assignee: CHONGQING HEHUI AGRICULTURE DEV GROUP CO LTD

Assignee(s): (std): CHONGQING HEHUI AGRICULTURE DEV GROUP CO LTD

Assignee(s): CHONGQING HEHUI AGRICULTURE DEVELOPMENT GROUP CO ; WO HUI OF CHONGQING AGRICULTURAL DEVELOPMENT GROUP CORP

Inventor(s): (std): FU QIONGLING

9) Family number: 27889272 (CN2528203Y)

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Title: Corn sheller

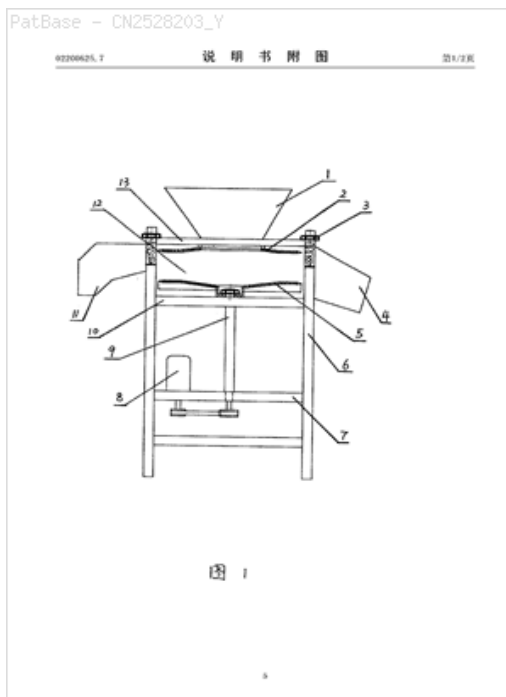
Abstract: The utility model relates to a corn sheller, which comprises a frame, a motor, a belt wheel, a transmission shaft, a shelling disk, an in-feed port and an out-feed port; wherein, the motor is fixed on a lower beam of the frame; the transmission shaft is fixed on the upper and lower beam through a bearing; the out-feed port is positioned at the two sides of the frame; the in-feed port is positioned at the upper part of the frame; upper and lower grinding discs in the shelling disk are both in arc shape and arranged correspondingly; the upper grinding disc is fixed on an upper frame of the frame; the lower grinding disc is arranged on the transmission shaft; the upper and lower grinding disc are equipped with grinding rods with saw teeth; the grinding rod is radiated outward in all direction using the center of the grinding disc as a center of circle; the edges of the upper and lower grinding discs are in saw-toothed shape. The utility model has the advantages of higher percentage of shelling, and less damage to corn grain.

Classifications:

International (IPC 8-9): A01F11/06 (Advanced/Invention);

A01F11/00 (Core/Invention)

International (IPC 1-7): A01F11/06



Family:

Publication number	Publication date	Application number	Application date
 CN2528203 Y	20030101	CN20022000625U	20020111

Priority:

CN20022000625U 20020111

Probable Assignee: LIU JINAN

Assignee(s): (std): LIU JINAN

Inventor(s): (std): LIU JINAN

Inventor(s): JINAN LIU

10) Family number: 79039575 (CN210580096U)

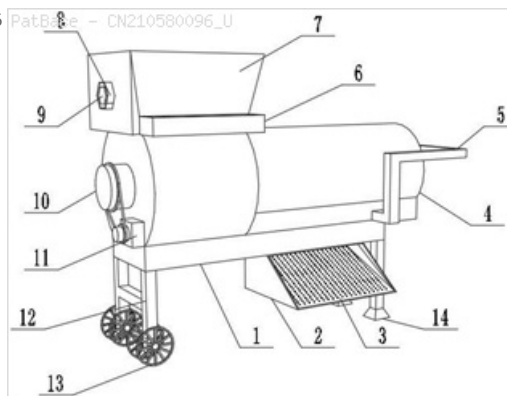
© PatBase

Title: A small adjustable multifunctional corn sheller (Machine translation)

Abstract: Source: CN210580096U **Machine translation:** The utility model discloses a small adjustable multifunctional corn sheller, comprising a base, a housing, and disposed within the housing, the spiral drum plate teeth, grid sieve plate, the housing is provided on the base, the top of the spiral drum rotation is connected to the housing, the inner plate teeth disposed on the inner wall of the spiral drum, grid sieve plate disposed in the housing under the spout, said base top feed port is provided with a feed hopper and the feed hopper is provided with a feed deceleration mechanism, one end of the housing provided with a motor, one end of the spiral drum through a coupling connected to the shaft, the shaft via a belt connected to the motor output shaft, housing the bottom end of the hopper is provided with a lower end of the hopper; wherein said housing provided with a bottom slag bucket. The utility model lever pivotally connected to the feed hopper, enabling the inner wall by an annular distribution adjustment, rotation barrier sheet isolated maize corn threshing straight into the housing, reducing the corn added speed, to avoid the card machine phenomenon.

Classifications:

International (IPC 8-9): A01F11/06 A01F12/00 A01F12/10 A01F12/16 A01F12/44 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN210580096 U	20200522	CN201921175995U	20190725

Priority:

CN201921175995U 20190725

Probable Assignee: HUNAN PLAYER FU MACHINERY CO LTD

Assignee(s): HUNAN PLAYER FU MACHINERY CO LTD

11) Family number: 62102011 (CN205142940U)

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Title: SMALL CORN SHELLER

Abstract: The utility model provides a small corn sheller, includes engine body shell, includes still that the organism below is provided with the motor, and the flywheel sets up in organism upper portion, and through connecting in belt and motor (4), rotor and flywheel mechanical connection are provided with the reinforcing bar of threshing at the rotor surface, and rotor upper portion is equipped with imported iron plate, and the rotor lower part is equipped with the sieve, and the lower part of sieve is equipped with and exports iron plate, the technical scheme of the utility model, the low price, the reliable operation breaks away from the effect height, can reach more than 95 percent, and the granule damage is little.

Classifications:

International (IPC 8-9): A01F11/06 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN205142940 U	20160413	CN201520940162U	20151123

Priority:

CN201520940162U 20151123

Probable Assignee: CAO ZHIYONG

Assignee(s): (std): CAO ZHIYONG

Assignee(s): CAO ZHI YONG

Inventor(s): (std): CAO ZHIYONG

12) Family number: 78442592 (CN111011007A)

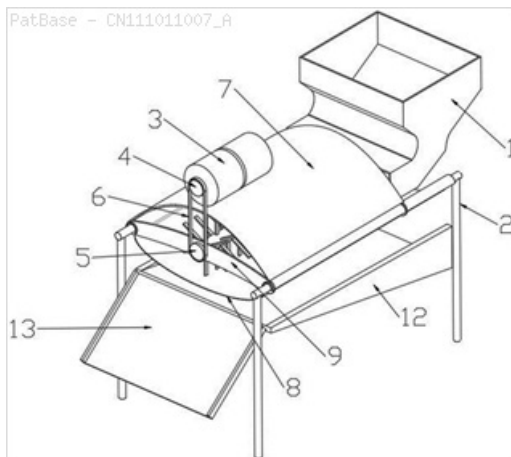
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Title: A corn thresher (Machine translation)

Abstract: Source: CN111011007A **Machine translation:** The present invention relates to the field of agricultural machinery, in particular refers to a corn sheller, including the feed hopper and the feed hopper disposed below the threshing barn threshing composed of the cartridge by the upper housing and the lower housing, the upper housing and the lower housing connection arranged in the rack is fixedly connected to the frame near the threshing barn at the port are provided with a support beam, the support beam is provided with a drive shaft, said drive shaft and connected by a bearing between the support beam; located in the casing on the outer wall away from the side of the hopper is fixed with a motor, the motor drive end is provided with a first pulley, one end of the drive shaft adjacent to the motor and extending outward from the inside through the bearing and the shaft of the second pulley, the first pulley and the second pulley connected via a transmission belt, the outer circumferential surface of the drive shaft in the axial direction uniformly laid has Shank.

Classifications:**International (IPC 8-9):** A01F11/06 A01F12/00 (Advanced/Invention)**CPC:** A01F11/06 A01F12/00

PatBase - CN111011007_A

**Family:**

Publication number	Publication date	Application number	Application date
CN111011007 A	20200417	CN201911360014	20191225

Priority:

CN201911360014 20191225

Probable Assignee: WHERE INFORMATION SERVICE CO LTD JIANGSU SHENG**Assignee(s):** WHERE INFORMATION SERVICE CO LTD JIANGSU SHENG**13) Family number: 49426058 (CN201930810U)**

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Title: Multi-functional grain combined machine

Abstract: The utility model relates to a multi-functional grain combined machine, which is characterized in that a crusher (1), a corn sheller (2) and a sweet potato or lotus root grinding machine (3) use a multi-functional work chamber (65), and the three machines adopts bearing disks with same size. When one function is selected, only the machine with the needed function is fastened on baffle plates (66 and 67) of the multi-functional work chamber (65) through screws, so that the needed function can be realized. A rice mill (4) and a soya-bean milk machine (5) are also fixed on a rack (6). The back of the multi-functional work chamber (65) is provided with two regulating devices (60) which can regulate the distance, and the regulating devices are used for corresponding regulation according to the size of corn or lotus roots during corn shelling or sweet potato or lotus root grinding. The upper half part of the back of the multi-functional work chamber is provided with an inclined plate which is used for discharging rice bran after installing the rice mill. A motor (7) is used as power, and a belt is transmitted, so that the multi-functional grain combined machine can realize single-function work or multi-functional simultaneous work.

Classifications:**International (IPC 8-9):** A01F11/06 A01F7/02 B02B3/00 (Advanced/Invention)

PatBase - CN201930810_U

CN 201930810 U 说明书附图 2/8 页

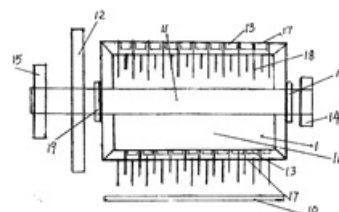


图 2

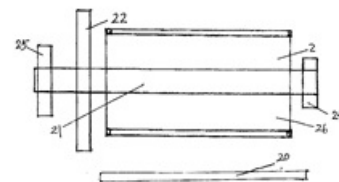


图 3

9

Family:

Publication number	Publication date	Application number	Application date
CN201930810 U	20110817	CN201020673120U	20101222

Priority:

CN201020673120U 20101222

Probable Assignee: HENG DONG LIAO**Assignee(s):** HENG DONG LIAO

Assignee(s):

Inventor(s): (std):

Inventor(s):

LIAO HENG DONG

HENG DONG LIAO

LIAO HENG DONG

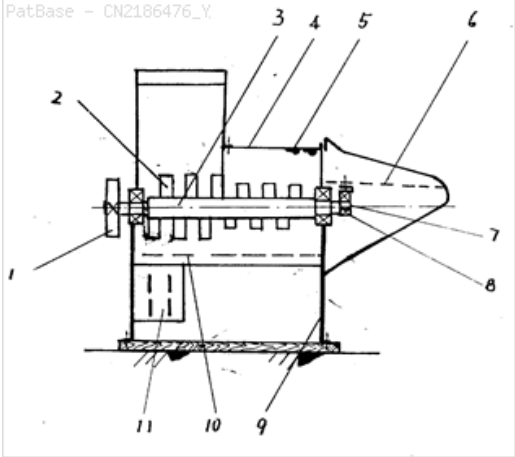
14) Family number: 17489473 (CN2186476Y)

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Title: Small corn sheller

Abstract: The utility model belongs to a thresher, particularly a corn thresher. The threshing cylinder of the utility model is formed by a threshing cylinder shaft and the fixed connection of two groups of unequal length shaft teeth, wherein, the long teeth are distributed in a material receiving zone; the short teeth is distributed on a threshing zone. The utility model has the advantages that the volume of the whole machine is reduced; the machine weight is lightened; the cost is reduced; the matching power is reduced; the threshing thoroughness is improved; the broken rate is reduced because of the new structure. Besides, the shaft teeth can be replaced and repaired when the shaft teeth is broken. The utility model adopts triangular belt pulley driving to improve the security and adopts a sliding feeding bucket to reduce the material feeding height. The bracket plate of the motor is fixed on the bracket to ensure the integrity of the machine body.

Classifications:
International (IPC 8-9): A01F7/02 A01F7/04 (Advanced/Invention);
A01F7/00 (Core/Invention)
International (IPC 1-7): A01F7/02 A01F7/04



Family:

Publication number	Publication date	Application number	Application date
 CN2186476 Y	19950104	CN19932048151U	19931229

Priority:

CN19932048151U 19931229

Probable Assignee: GAO CHENGBIN

Assignee(s): (std): GAO CHENGBIN

Inventor(s): (std): ZHENGQUAN LIU ; LIU ZHENGQUAN ; GAO CHENGBIN ; CHENGBIN GAO