

Search history

Search 1: FT=(fruit* NEAR (press* OR compress*)) and PD<20141017 and CPC=(A23N1/003 OR A47J19/02) (Results 462)

Search 2: 1 AND (FT = gear OR pinion OR belt) (Results 233)

Search 3: 2 AND (FT = (male OR female) NEAR (drum OR roll* OR cylinder)) (Results 6)

Title: Juice making machine

Abstract: A machine for extracting juice from citrus fruits, has at least two first cylinders each having a plurality of substantially semi-spherical cavities for accommodating fruits rotatable in opposite directions to transport the fruits, a cutter located downstream of the first cylinders so as to bisect the fruits into two halves which remain lodged in the cavities of the first cylinders, at least two second cylinders located downstream of the first cylinder and each provided with a plurality of substantially spherical protrusions and rotatable so that during rotation the protrusions extend into each fruit embedded in the cavities of the first cylinders with a gap which remains between the protrusions and the cavities and is substantially equivalent to a thickness of a peel of the fruits thereby preventing excessive crushing of the peel. The first cylinders and the second cylinders are rotatable synchronously so that the peel remains sticking to the protrusions. The protrusions are provided with grooves. Also, blades penetrate into the grooves of the protrusions during rotation of the cylinders so as to catch and throw off the peel while the juice flows freely without any further contact with a discarded part of the fruits.

Classifications:

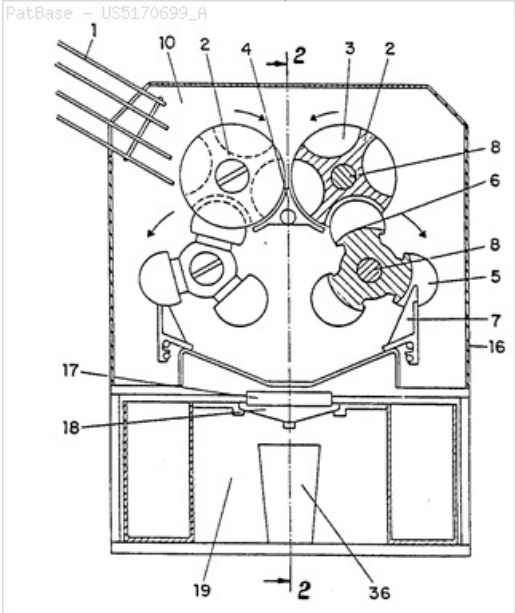
International (ipc 8-9): A23N1/00 A23N1/02 (Advanced/Invention); A23N1/00 (Core/Invention)

International (ipc 1-7): A23N1/00 A23N1/02 A47J19/02 B30B9/02

CPC: A23N1/003

European: A23N1/00B

US: 99/504 99/507 995/40



Family:

Publication number	Publication date	Application number	Application date
AU199183624 A1	19921126	AU19910083624	19910904
AU645598 B2	19940120	AU19910083624	19910904
BRPI9104239 A	19920929	BR1991PI04239	19910927
CA2051822 AA	19921125	CA19912051822	19910919
CL1991001253 A1	19920707	CL19910001253	19911213
ES2053357 AA	19940716	ES19910001254	19910524
ES2053357 BA	19950201	ES19910001254	19910524
MX9200984 A1	19921101	MX19920000984	19920305
US5170699 A	19921215	US19920872547	19920422

Priority:

ES19910001254 19910524

Probable Assignee: MAQUINAS AND ELEMENTOS SA

Assignee(s): (std): MAQUINAS AND ELEMENTOS SA

Assignee(s): MAQUINAS Y ELEMENTOS S A ; MAQUINAS Y ELEMENTOS SA

Inventor(s): (std): MIGUEL JOSE MARIA ; SENALADA JOSE M M ; SENALADA JOSE MARIA MIGUEL ; MIGUEL SENALADA JOSE MARIA

Inventor(s): JOSE MARIA MIGUEL ; JOSE MARIA MIGUEL SENALADA ; MIGUEL SENALADA JOSE

Agent(s): FISHER ADAMS KELLY; FISHER ADAMS KELLY PTY LTD; FISHER ADAMS KELLY CALLINANS; HARNECKER

Title: FRUIT JUICER.

Abstract: Fruit juicer, which comprises a feeding duct or feed hopper (6); a fruit carrier rotor (7) located after said hopper; a vertical cutter (8) secant to the rotor (7) in its middle transversal plane; two horizontal secant squeezing **cylinders** (9,10) with complementary **male** and female sections; rotating in opposite directions; and collecting means (32) of the juice squeezed out and of the rind of the fruit, located under the squeezing **cylinders**. The **male** squeezing **cylinder** (9) has a multilobular section, while the **female** squeezing **cylinder** (10) has longitudinal channels with a section approximately identical to that of the lobes of the **male** squeezing **cylinder** (9).

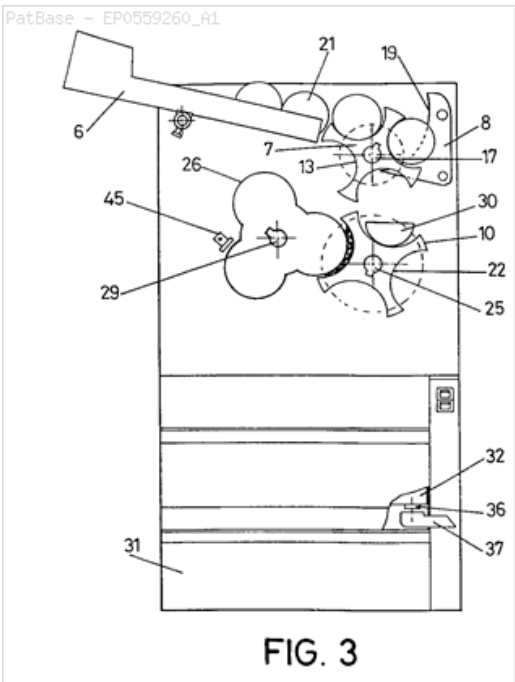
Classifications:

International (IPC 8-9): A23N1/00 (Advanced/Invention); A23N1/00 (Core/Invention)

International (IPC 1-7): A23N1/00 A23N1/02 B30B9/02

CPC: A23N1/003

European: A23N1/00B



Family:

Publication number	Publication date	Application number	Application date
AT131697 E	19960115	AT19930200403T	19930213
DE69301042 D1	19960201	DE19936001042	19930213
DE69301042 T2	19960822	DE19936001042T	19930213
EP0559260 A1	19930908	EP19930200403	19930213
EP0559260 B1	19951220	EP19930200403	19930213
ES2055650 AA	19940816	ES19920000366	19920220
ES2055650 BA	19950401	ES19920000366	19920220

Priority:

ES19920000366 19920220

Probable Assignee: DEZA SAN BAUDILIO 50 FLORENTIN

Assignee(s): (std): DEZA SAN BAUDILIO 50 FERNANDO ; DEZA SAN BAUDILIO 50 FLORENTIN ; FRUCOSOL COMERCIAL SL ; COMERCIAL FRUCOSOL S L

Assignee(s): COMERCIAL FRUCOSOL S L SAN ADRIAN ES ; DEZA SAN BAUDILIO 50 FLORENTINO ; DEZA SAN BAUDILIO 50 percent FERNANDO ; DEZA SAN BAUDILIO 50 percent FLORENTINO

Inventor(s): (std): DEZA SAN BAUDILIO FERNANDO ; DEZA SAN BAUDILIO FLORENTINO ; ETAYO JUBERA FRANCISCO ; JIMENEZ MARTINEZ JESUS

Inventor(s): JIMENEZ MARTINEZ JESUS E 26500 CALAHORRA LA RIOJA ; JIMENEZ MARTINEZ JESUS E 26500 CALAHORRA LA... ; ETAYO JUBERA FRANCISCO E 31570 SAN ADRIAN NAVARRA ; ETAYO JUBERA FRANCISCO E 31570 SAN ADRIAN... ; DEZA SAN BAUDILIO FLORENTINO E 26500 CALAHORRA LA ; DEZA SAN BAUDILIO FLORENTINO E 26500 CALAHORRA... ; DEZA SAN BAUDILIO FERNANDO E 26500 CALAHORRA LA R ; DEZA SAN BAUDILIO FERNANDO E 26500 CALAHORRA... ; DEZA SAN BAUDILIO 50 FERNANDO ; DEZA SAN BAUDILIO 50 FLORENTINO ; DEZA SAN BAUDILIO 50 percent FERNANDO ; DEZA SAN BAUDILIO 50 percent FLORENTINO

Designated states: AT BE CH DE DK FR GB GR IE IT LI LU MC NL PT SE

Title: REDUCED SIZE CITRUS FRUIT JUICING MACHINE

Abstract: This invention is a reduced size citrus fruit juicing machine that uses sets of rotating **male-female drums** characterized by having one sole **female drum** and one sole **male drum** with an automatically positioning blade and a retaining pendulum-turning device. These characteristics avoid having to incorporate a second set of drums into the machine since the remaining half of the fruit is turned after the cut into the following upper cavity of the **female drum**. In addition to maintaining the performance of similar machines of greater size, it improves hygienic conditions due to an appropriate disposition of the retaining pendulum, a ribbed opening for the fruit, a peel collector and an integrated customized juice container which are isolated from the outside, all of which make it especially attractive to hotels and restaurants that do not have much available space.

Classifications:

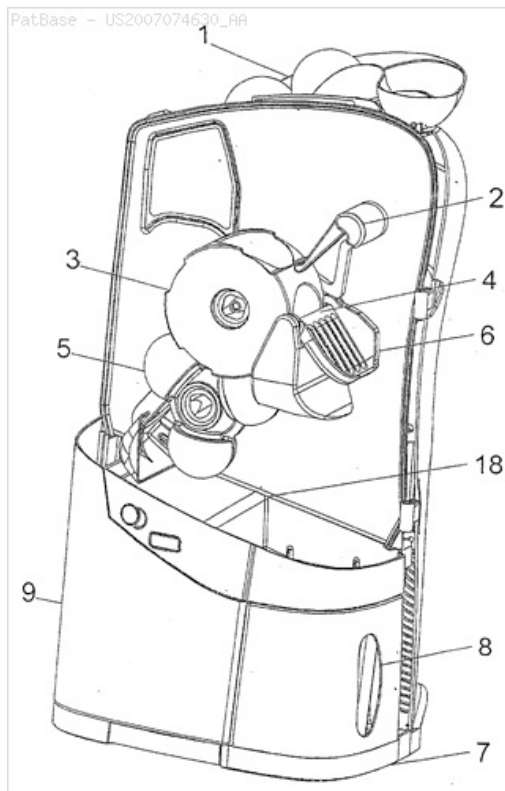
International (IPC 8-9): A23B5/00 A23N1/00 A23N1/02 A47J19/00 A47J19/02 B30B9/02 B30B9/20 (Advanced/Invention); A23N1/00 A47J19/00 A47J19/02 (Advanced/Non-invention); A23B5/00 A23N1/00 A47J19/00 B30B9/02 (Core/Invention); A23N A47J B30B (Subclass/Invention)

International (IPC 1-7): A23N1/00 A23N1/02 A47J19/02 B30B9/02

CPC: A23N1/003 A23N1/02 B30B9/02 A47J19/02

European: A23N1/00B A23N1/02 A47J19/02 B30B9/02

US: 99/495 99/495P 99/501 99/504 99/509



Family:

Publication number	Publication date	Application number	Application date
AT522152 E	20110915	AT20040766962T	20040928
AU2004285303 AA	20050512	AU20040285303	20040928
AU2004285303 BB	20110317	AU20040285303	20040928
BRPI0415064 A	20061212	BR2004PI15064	20040928
BRPI0415064 B1	20120626	BR2004PI15064	20040928
CA2539581 AA	20050512	CA20042539581	20040928
CA2539581 C	20121204	CA20042539581	20040928
CN100396202 C	20080625	CN200480032011	20040928
CN1874694 A	20061206	CN200480032011	20040928
CO5670342 A2	20060831	CO20060039367	20060426
DE602004034235 D1	20111027	DE200460034235T	20040928
EP1692953 A1	20060823	EP20040766962	20040928
EP1692953 B1	20110831	EP20040766962	20040928
ES2284294 AA	20071101	ES20030002553	20031031
ES2284294 BA	20090416	ES20030002553	20031031
IL174586 A0	20060820	IL20060174586	20060327
IL174586 A1	20110428	IL20040174586	20040928
IN00873KN2006 A	20061215	IN2006KN00873	20060410
IN226793 B	20081226	IN2006KN00873	20060410
JP2007509623 T2	20070419	JP20060537325T	20040928
JP4564495 B2	20101020	JP20060537325T	20040928
KR101118793 B1	20120320	KR20067007429	20040928
KR20060088121 A	20060803	KR20067007429	20040928
MXPA06004645 A1	20060627	MX2006PA04645	20040928
NO20062460 A	20060710	NO20060002460	20060530
NO331249 B1	20111107	NO20060002460	20060530
PT1692953 T	20111124	PT20040766962T	20040928
RU2006117426 A	20071210	RU20060117426	20040928
RU2388386 C2	20100510	RU20060117426	20040928
US2007074630 AA	20070405	US20040595483	20040928
US7493851 BB	20090224	US20040595483	20040928
WO05041695 A1	20050512	WO2004ES00424	20040928
WO05041695 C1	20050630	WO2004ES00424	20040928
ZA200602289 A	20070530	ZA20060002289	20060317

Priority:

ES20030002553 20031031 ES20030002553 20031031 EP20040766962 20040928
WO2004ES00424 20040928

Probable Assignee: ZUMEX MAQUINAS Y ELEMENTOS SA

Assignee(s): (std): MENGUAL JOAQUIN M ; MENGUAL MENGUAL JOAQUIN ; ZUMEKS MAKINAS I EHLEMENTOS S ; ZUMEX GROUP SA ; ZUMEX MAQUINAS Y ELEMENTOS S A ; ZUMEX MAQUINAS Y ELEMENTOS SA ; ZUMEX MARQUINAS Y ELEMENTOS S ; ZUMEX MAQUINAS Y ELEMENTS S A

Assignee(s): ZUMEX MAQUINAS Y ELEMENTS SA ; ZUMEX MARQUINAS Y ELEMENTOS SA ; ZUMEX MARQUINAS Y ELEMENTOS S A ; ZUMEKS MAKINAS I EHLEMENTOS S A ; ZUMEKS MAKINAS I EHLEMENTOS SA

Inventor(s): (std): JOAQUIN MENGUAL MENGUAL ; MENGUAL JOAQUIN MENGUAL ; MENGUAL MENGUAL JOAQUIN ; MENGUAL MENGUAL KHOAKIN ; MENGUAL JOAQUIN M

Inventor(s): MENGUAL' MENGUAL' KHOAKIN ; SOLER LERMA SANTIAGO

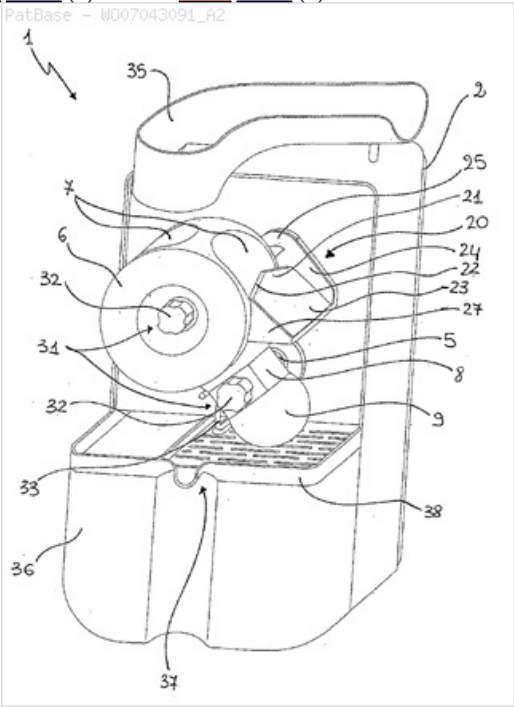
Agent(s): DAVIES COLLISON CAVE PTY LTD; DAVIES COLLISON CAVE; OYEN WIGGS GREEN AND MUTALA LLP; MARGARITA CASTELLANOS ABONDANO; SOLER LERMA SANTIAGO; WOLFF BREGMAN AND GOLLER; VEDDER PRICE KAUFMAN AND KAMMHOLZ; VEDDER PRICE PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG 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 LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: CITRUS-FRUIT SQUEEZER

Abstract: Citrus-fruit squeezer (1) including a 'frame (2), a first (4) and a second (5) shafts associated with the frame (2) and operating means (10) acting on the two shafts (4, 5), characterized in that it includes a single **female drum** (6) integrally mounted on the first shaft (4), suitable for housing at least a portion of a' fruit (3) to be squeezed and a single **male drum** (8) integrally mounted on the second shaft (5), suitable for cooperating with at least a portion of the **female drum** (6) for carrying out the squeezing of the fruit (3). Such squeezer (1) further includes cutting means (20) placed in correspondence with the **female drum** (6) for cutting the fruit (3) in two portions. The operating means (10) include an electric motor and transmission means (11) for transmitting the movement from the electric motor to the two shafts (4, 5) according to a determined transmission ratio and slowing the rotation speed of at least one of the two shafts (4, 5) during the squeezing of the fruit (3), by maintaining the centering of the **female drum** (6) with the **male drum** (8).

Classifications:
International (IPC 8-9): A23N1/00 A47J19/02 (Advanced/Invention);
A23N1/00 A47J19/00 (Core/Invention)
CPC: A23N1/003 A47J19/02
European: A23N1/00B A47J19/02



Family:

Publication number	Publication date	Application number	Application date
AT427045 E	20090415	AT20060810019T	20061010
DE602006006076 D1	20090514	DE200660006076T	20061010
EP1933647 A2	20080625	EP20060810019	20061010
EP1933647 B1	20090401	EP20060810019	20061010
ITBS20050120 A1	20070413	IT2005BS00120	20051012
WO07043091 A2	20070419	WO2006IT00726	20061010
WO07043091 A3	20070920	WO2006IT00726	20061010

Priority:

IT2005BS00120 20051012 WO2006IT00726 20061010

Probable Assignee: POLI GIOVANNI

Assignee(s): (std): POLI GIOVANNI

Inventor(s): (std): POLI GIOVANNI

Agent(s): TIRLONI BARTOLOMEO

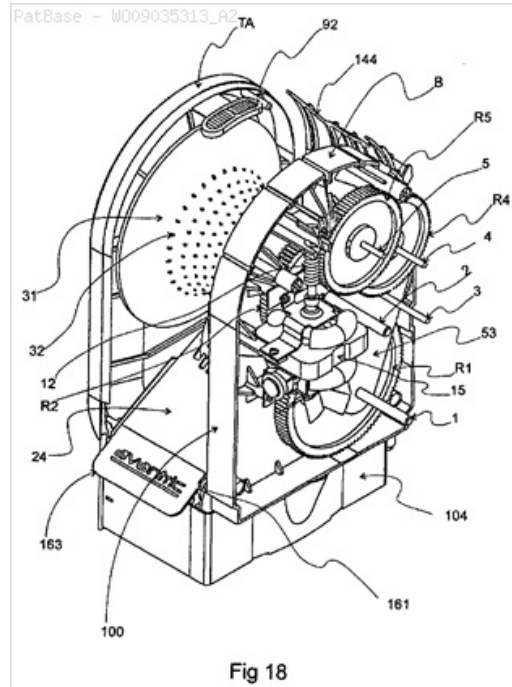
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO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

Title: JUICE SQUEEZER

Abstract: The invention relates to a citric fruit squeezer comprising a ramp for supplying halves of citric fruit, and two rotating rollers respectively having complementary concave and convex surfaces and arranged one above the other. The upper roller has a concave semi-spherical surface (female) comprising a plurality of rods, and the lower **roller** has a convex surface (**male**) comprising a plurality of rods, both surfaces defining a space through which the halves of citrus fruit can pass in order to be squeezed and ejected through the rotating rollers. Said rollers are driven by a plurality of **gear** wheels in the form of rotating toothed wheels which are, in turn, driven by an electric motor, said **gear** elements and the motor being arranged behind the cover on which the rollers are mounted. The entire driving and squeezing assembly is arranged behind a housing containing a juice collecting tray in the lower part thereof.

Classifications:

International (IPC 8-9): A23L2/06 A47J19/02 A47J27/08
A47J36/00 (Advanced/Invention);
A23L2/02 A47J19/00 A47J27/08 A47J36/00 (Core/Invention)
CPC: A47J19/02
European: A47J19/02



Family:

Publication number	Publication date	Application number	Application date
MX2007011257 A1	20090313	MX20070011257	20070914
WO09035313 A2	20090319	WO2008MX00126	20080912
WO09035313 A3	20100128	WO2008MX00126	20080912

Priority:

MX20070011257 20070914

Probable Assignee: ELECTRODOMEX S A DE C V

Assignee(s): (std): ELECTRODOMEX S A DE C V ; TOSTADO TELLEZ SALVADOR.

Assignee(s): ELECTRODOMEX DE CV SA

Inventor(s): (std): TOSTADO TELLEZ SALVADOR ; TELLEZ SALVADOR TOSTADO

Inventor(s): SALVADOR TOSTADO TELLEZ

Agent(s): LENOYR CAMPOS OSCAR

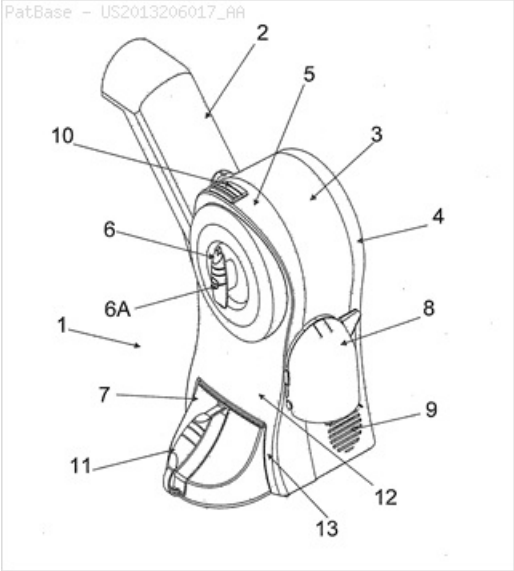
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA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

Title: CITRUS JUICE EXTRACTOR

Abstract: The invention relates to a juice extractor including an intermediate casing having side surfaces that define an upper inlet window and a lower outlet window, said casing including a transverse wall having a vertical section, an inclined section, and a lower vertical section arranged to define a step and, therebelow, a rear housing in which an electric motor is placed, coupled to a helical gear via an endless screw, the helical gear including a safety system allowing same to slip in the event of an overpressure; gears on the rear surface of the transverse wall of the intermediate casing disposed in an ascending cascade configuration; a rear lid that conceals or protects gearing and electric motor; separate access ramps for grapefruits, oranges, lemons, each ramp including a pin which actuates a safety switch; and gearing and squeezing devices (volute and bobbin) assembled on the faces of the intermediate casing.

Classifications:

International (IPC 8-9): A23N1/00 A47J19/02
B30B9/20 (Advanced/Invention);
A23N1/00 (Core/Invention)
CPC: A23N1/003 A23N1/02 A47J19/02
US: 99/501



Family:

Publication number	Publication date	Application number	Application date
MX2010011417 A1	20120417	MX20100011417	20101018
US2013206017 AA	20130815	US20110880340	20111018
WO12053881 A2	20120426	WO2011MX00129	20111018
WO12053881 A3	20120719	WO2011MX00129	20111018

Priority:

MX20100011417 20101018 WO2011MX00129 20111018

Probable Assignee: KRTN DE CV SA

Assignee(s): (std): KRTN S A DE C V ; TELLEZ SALVADOR TOSTADO ; TOSTADO TELLEZ SALVADOR

Assignee(s): KRTN DE CV SA

Inventor(s): (std): TELLEZ SALVADOR TOSTADO ; TOSTADO TELLEZ SALVADOR

Inventor(s): SALVADOR TOSTADO TELLEZ

Agent(s): LENOYR CAMPOS OSCAR

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 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 PE PG PH PL PT QA RO RS RU RW 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