

Search history

Search PN=(WO 2015/054153) (Results 1000000)

1:

Search PN=(WO2015/054153) (Results 1)

2:

Search [SP]: blender a food-processing device for blending and mixing food comprises a mixing vessel, a blade holder, and a motor base. the
3: motor is a high power motor. the device has various safety features designed for the high power motor. the blade holder comprises a safety mechanism that prevents the motor base from operating without the mixing vessel covering the blade. the mixing vessel also contains emitters that interact with detectors on the motor base that can allow a user to select an alternate blend speed according to the mixing vessel that is attached. (Results 74)

Search 3 and pd<20131007 (Results 65)

4:

Search 4 and open end (Results 10)

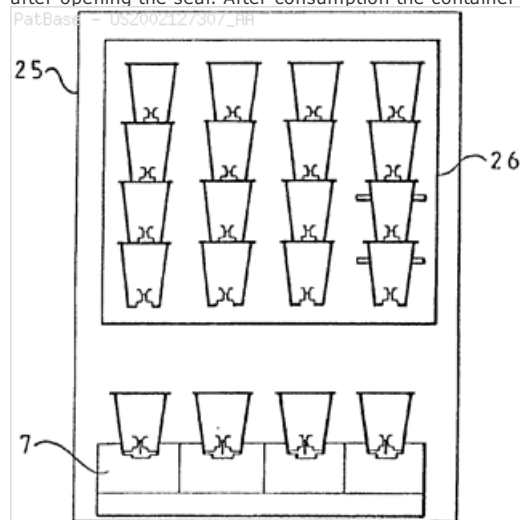
5:

1) Family number: 29990366 (US2002127307A)

Title: Food blending apparatus

Abstract:

Source: US2002127307A A food blending apparatus and a method of blending food within a container (30) with the object of providing a hygienic system whereby disposable containers are charged with product at a location remote from consumption. After filling with ingredients the container is sealed and then cooled. Containers include an integral blender (35) which when connected to a drive enable the product to be blended at the point of consumption after location in driving connection with the drive means. Product is accessed through a sealed opening (31) of the container after opening the seal. After consumption the container is disposed of and is constructed to make disposal economical.



International class (IPC 8-9): A23G9/04 A23G9/12 A23G9/28 A23G9/32 A23G9/50 A47J31/40 A47J36/02 A47J43/042 A47J43/044 A47J43/046 A47J43/07 B01F7/00 B01F7/16 B65B3/02 B65B3/04 B65D21/02 B65D25/08 B65D51/24 B65D51/32 B65D77/20 B65D77/22 B65D81/18 B65D81/32 B65D85/72 B65D85/78 (Advanced/Invention);
A47J31/40 A47J36/02 A47J43/042 A47J43/046 A47J43/07 B65D81/32 B67D5/56 B67D5/62 (Advanced/Non-invention);
A23G9/32 A23G9/44 A47J43/04 B65D51/24 (Core/Invention);
A47J36/02 (Core/Non-invention)

International class (IPC 1-7): A47G19/23 A47J31/40 A47J43/04 A47J43/042 A47J43/046 A47J43/07 B01F7/16 B65D21/02 B65D3/10 B65D77/20 B65D81/32 B65D85/00 B65D85/78

CPC: A47J36/022 A47J43/0716 B01F7/1695 B01F13/002 B01F2215/0026 A23G9/045 A23G9/12 A23G9/503 A47J27/004 A47J43/0727 A47J43/046 A47J43/0722 B65D51/32 A47J43/042

European class: A23G9/02 A23G9/02+H4D A23G9/04D A23G9/12 A23G9/50D A47J36/02B A47J43/042 A47J43/046 A47J43/07C A47J43/07C2 A47J43/07D B01F13/00K2B B01F7/16S B65D51/32 K47J36/02B K47J43/046 K47J43/07D L01F215/00A30

US class: 366/144 366/147 366/199 366/199P 366/199S 366/204 366/204S 366/205 366/205S 366/242 366/242S 366/249 366/251 366/251S 366/314 366/314S 366/347 366/348 426/112 426/112P 426/115 426/115S 426/393 426/393P 426/394 426/394S 426/519

JP class F-Term: 3E035 3E035/AA17 3E035/AB08 3E035/CA01 3E035/CA04 3E067 3E067/AA11 3E067/AB20 3E067/BC07 3E067/EA06 3E067/EA25 3E067/EE24 4B004 4B053 4B053/AA01 4B053/BA14 4B053/BB01 4B053/BB02 4B053/BC01 4B053/BG05 4B053/BH04 4B053/BH12 4B053/BH13 4B053/BH16 4B053/BK04 4B053/BK22 4B053/BL20 4B104 4B104/AA23 4B104/AA28 4B104/BA27 4B104/BA61 4B104/BA66 4B104/BA68 4B104/BA75 4B104/BA81 4B104/CA08 4B104/CA10 4B104/CA18 4B104/EA10 4B104/EA25 4B104/EA39 3E006 3E006/AA01 3E006/BA08 3E006/CA02 3E006/DA10 3E006/DB10 3E035/AA03 3E035/AB06 3E035/BA05 3E035/BB01 3E035/BB05 3E035/BC02 3E067/AB01 3E067/AB26 3E067/AC05 3E067/AC06 3E067/BA07 3E067/BB14 3E067/BC03 3E067/EA17 3E067/EB30 3E067/EE21 3E067/EE50 3E067/EE60 3E067/GD10 4B053/BC14 4B053/BE06 4B053/BE12 4B104/BA22 4B104/BA23 4B104/BA60 4B104/BA89 4B104/CA02 4B104/CA27 4B104/DA12 4B104/DA22 4B104/EA23 3E035/BB10 3E062 3E062/AA10 3E062/AB02 3E062/AC02 3E062/BA01 3E062/BB02 3E062/BB10 3E067/AA22 3E067/BC10 3E067/GA01 3E067/GC05 3E084 3E084/AB06 3E084/BA03 3E084/BA08 3E084/CA01 3E084/CB02 3E084/CC03 3E084/DB02 3E084/DB13 3E084/DC03 3E084/FC07 3E084/GA08 3E084/GB12 3E084/HB01 3E084/HC03 3E084/HD04 3E084/JA20 3E118 3E118/AA02 3E118/AB15 3E118/BA01 3E118/BA06 3E118/BA09 3E118/CA02 3E118/EA01 4B053/BA12 4B053/BE01 4B053/BK21 4B053/BL01

JP class F-Index: A47J31/40 A47J43/042 B65D77/20/E B65D85/78/B B65D85/78/100 B65D21/02/A B65D21/032 B65D77/22 B65D85/72/F B65D85/72/200 B65B3/02 B65B3/04 B65D25/08 B65D51/24/Z B65D81/18/A B65D85/78

Family:

Publication number	Pub. date	Application number	App. date
AT231700 E	20030215	AT19980949158T	19981027
AT295699 E	20050615	AT19980024144T	19981027

AT341267 E	20061015	AT19980010604T	19981027
AT359734 E	20070515	AT19980020888T	19981027
AU199895531 A1	19990517	AU19980095531	19981027
AU736689 B2	20010802	AU19980095531	19981027
BRPT9813162 A	20000822	BR1998PI13162	19981027
CA2305869 AA	20000410	CA19982305869	19981027
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CN1494857 A	20040512	CN200310101335	19981027
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DE69837629 D1	20070531	DE19986037629	19981027
DE69837629 T2	20071227	DE19986037629T	19981027
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DK1279359 T3	20050905	DK19980024144T	19981027
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EP1026978 B1	20030129	EP19980949158	19981027
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EP1279359 A3	20031210	EP20020024144	19981027
EP1279359 B1	20050518	EP20020024144	19981027
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EP1563779 A2	20050817	EP20050010604	19981027
EP1563779 A3	20050824	EP20050010604	19981027
EP1563779 B1	20061004	EP20050010604	19981027
EP1637056 A2	20060322	EP20050020888	19981027
EP1637056 A3	20060419	EP20050020888	19981027
EP1637056 B1	20070418	EP20050020888	19981027
ES2190109 T3	20030716	ES19980949158T	19981027
ES2243646 T3	20051201	ES20020024144T	19981027
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ES2273296 T3	20070501	ES20050010604T	19981027
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GB9722711 A0	19971224	GB19970022711	19971029
HK1052283 A1	20050812	HK20030104366	20030618
HU0004902 AB	20010528	HU20000004902	19981027
HU0004902 AC	20011128	HU20000004902	19981027
IL135856 A0	20010520	IL19980135856	19981027
IL135856 A1	20040620	IL19980135856	19981027
JP2001520901 T2	20011106	JP20000517635T	19981027
JP2006290469 A2	20061026	JP20060114916	20060418
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KR100665605 B1	20070110	KR20007004518	20000427
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KR20010031481 A	20010416	KR20007004518	20000427
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NZ503938 A	20011026	NZ19980503938	19981027
PL188435 B1	20050131	PL19980340248	19981027
PL340248 A1	20010129	PL19980340248	19981027
PT1026978 T	20030630	PT19980949158T	19981027
PT1279359 T	20050930	PT20020024144T	19981027
RU2000113221 A	20040620	RU20000113221	19981027
RU2218067 C2	20031210	RU20000113221	19981027
US2002127307 AA	20020912	US20010933013	20010821
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US2008057168 AA	20080306	US20070928972	20071030
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US7309156 BB	20071218	US20060504674	20060816
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US7993053 BB	20110809	US20070928972	20071030
WO9921466 A1	19990506	WO1998GB03193	19981027

Priority: GB19970022711 19971029; EP19980949158 19981027; EP20020024144 19981027; EP20050010604 19981027; US19980530325 19981027; JP20060114916 19981027; JP20000517635 19981027; JP20000517635T 19981027; WO1998GB03193 19981027; US20000530325 20000428; US20010933013 20010821; US20030727559 20031205; US20050222969 20050912; WO1998GB03193 20051103; US20060504674 20060816; US20070928736 20071030; US20070928972 20071030;

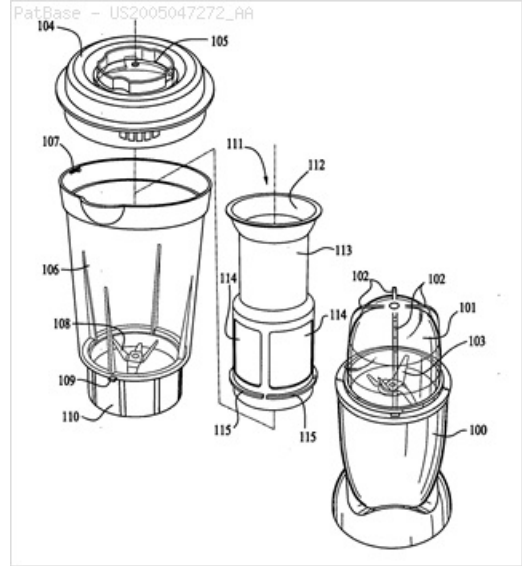
Cited documents: WO9634803 A1, WO9413154 A2, US7168845 BB, US7168845 B1, US7147365 BB, US7147365 B1, US6854875 BB, US6854875 BA, US6854875 B1, US6338569 BA, US6170696 BA, US6170696 B1, US5918767 A, US5893485 A, US5855431 A, US5809872 A, US5533801 A, US5365038 A, US5353697 A, US5090816 A, US4948605 A, US4889248 A, US4889248 A, US4741174 A, US4722608 A, US4708487 A, US4608809 A, US4487509 A, US4487509, US4422770 A, US4200481 A, US3881705 A, US3704864 A, US3675811 A, US3315946 A, US3154215 A, US2930596 A, US2678809 A, US2162400 A, US1718745 A, US1519798 A, US1414213 A, US1351243 A, US1174828 A, US04889248, US04487509, KR960007233 B1, KR960007233 A, KR19960007233, JP56460333, JP56423277, JP56343624, JP560125885, JP9150956 A2, JP9047228, JP64060333 A2, JP64023277 A2, JP63043624 A2, JP6284953, JP61005217 Y2, JP60125885 A2, JP5005040 U, JP4099553, JP4099553, JP3148423 A2, JP1224036, JP1138339 U, JP1138339 A2, FR1565187 A, EP0562310 A1, EP0156137 A1, EP0156137, EP00156137, DE8915094 U1, DE8915094 U1, DE8915094, DE3046157 A1, **Assignee(s):** (std): MAKDZHILL SHEJN ROBERT ; MCGILL SHANE R ; MCGILL SHANE ROBERT ; MCGILL SHANE ROBERT WEST MALLI ; MCGILL TECH LTD ; MELANGEUR SHANE ROBERT ; SHANE ROBERT MELANGEUR ; SHARNE ROBERT MEIJILL ; SHANE ROBERT MCGILL **Assignee(s):** MCGILL TECHNOLOGY LIMITED ; MCGILL TECHNOLOGY LTD ; MCGILL TECHNOLOGY LTD ADDINGTON ; MCGILL SHANE ROBERT WEST MALLING KENT **Inventor(s):** (std): MCGILL SHANE ROBERT ; MCGILL TECHNOLOGY LTD ; MEIJILL S R ; MAKDZHILL SHEJN ROBERT ; SR MEIJILL ; SHANE ROBERT MCGILL ; MELANGEUR SHANE ROBERT ; MCGILL TECHNOLOGY LIMITED ; MCGILL SHANE R **Inventor(s):** S R MEIJILL ; MCGILL SHANE ; SHANE ROBERT MELANGEUR **Designated states:** 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 GE GH GM GN GR GW HU ID IE IL 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 NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU ZW

2) Family number: 31334375 (US2005047272A)

Title: BLENDER AND MUGS

Abstract:

Source: US2005047272A A blender system composed of a mixing base that is capable of agitating the contents of a plurality of containers. The mixing base includes a means for rotating a shaft, a recessed well positioned at a top of the mixing base, a pressure-actuated switch positioned about the periphery of the recessed well, and a locking groove. One container that may be used with the mixing base is a container having an opening at one end and a base at a second end, where the base is tapered. The container also includes one or more locking members and in spaced relation about the periphery of the container body. The container body may also include a handle that is coupled to the exterior of the container. The container also includes a ring that is selectively attachable and removable from the periphery of the opening such that when the ring is coupled to the container, the user is able to drink from the container without spilling or dripping.



International class (IPC 8-9): A23N1/00 A23N1/02 A47J19/00 A47J19/02 A47J43/04 A47J43/042 A47J43/046 A47J43/06 A47J43/07 A47J43/08 A47J43/46 B01F7/00 B02C13/00 B02C17/00 B07B1/00 (Advanced/Invention);
A47J43/04 A47J43/06 (Advanced/Non-invention);
A23N1/00 A47J19/00 A47J43/00 A47J43/04 B02C13/00 B02C17/00 B07B1/00 (Core/Invention);
A47J (Subclass/Invention)
International class (IPC 1-7): A23N1/00 A47J19/00 A47J19/02 A47J43/04 A47J43/042 A47J43/046 A47J43/06 A47J43/07 B01F7/00
CPC: A47J19/027 A47J43/06 A47J43/0716 A47J43/0727 A47J43/046 A47J43/0761
European class: A47J19/02D A47J43/042 A47J43/046 A47J43/06 A47J43/07C A47J43/07D
US class: 241/185.6 241/185.600S 241/282.2 241/282.200P 241/282.200S 241/69 241/69S 366/197 366/197P 366/199 366/199P 366/199S 366/205 366/205P 366/205S 366/206 366/307 366/314 366/314S 70/100 99/51 99/510 99/510P 99/513 99/513P D7/378 D7/505 D7/507
JP class F-Term: 4B053 4B053/AA01 4B053/BA14 4B053/BB02 4B053/BD04 4B053/BL03 4B053/BL07
JP class F-Index: A47J43/046
Family:

Publication number	Pub. date	Application number	App. date
AT366076 E	20070715	AT20040104317T	20040908
AT369780 E	20070915	AT20040076091T	20040407
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CN1282438 C	20061101	CN200410033545	20040406
CN1589720 A	20050309	CN200410033545	20040406
CN1682629 A	20051019	CN200410075246	20040913
CN201019597 Y	20080213	CN200620148850U	20061109
CY1107744 T1	20130418	CY20071101232T	20070926
DE602004007354 D1	20070816	DE200460007354T	20040908
DE602004007354 T2	20080306	DE200460007354T	20040908
DE602004008172 D1	20070927	DE200460008172T	20040407
DK1586259 T3	20071015	DK20040104317T	20040908
EP1510161 A2	20050302	EP20040076091	20040407
EP1510161 A3	20050330	EP20040076091	20040407
EP1510161 B1	20070815	EP20040076091	20040407
EP1586259 A1	20051019	EP20040104317	20040908
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ES2290630 T3	20080216	ES20040104317T	20040908
HK1078449 A1	20080118	HK20050110469	20051119
HK1078449 A3	20060317	HK20050110469	20051119
HR20070384 T3	20071031	HR20070000384	20070905
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JP2005066351 A2	20050317	JP20040247302	20040826
JP3997220 B2	20071024	JP20040247302	20040826
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PT1586259 T	20071002	PT20040104317T	20040908
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TWI265014 B	20061101	TW20040126451	20040902
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US2005068847 AA	20050331	US20040988281	20041113
US2006120215 AA	20060608	US20060332793	20060113
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US2006176770 AA	20060810	US20060395977	20060331
US2007183256 AA	20070809	US20070732727	20070404
US2008196602 AA	20080821	US20080150012	20080424
US2011240782 AA	20111006	US20110160448	20110614
US2012152131 AA	20120621	US20120405837	20120227
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US7422362 BB	20080909	US20060395977	20060331
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US7958819 BB	20110614	US20080150012	20080424
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US536216 S1	20070206	US20060260003F	20060518
WO07103240 A2	20070913	WO2007US05479	20070302
WO07103240 A3	20080807	WO2007US05479	20070302

WO07126409 A2 20071108 WO2006US22006 20060607
WO07126409 A3 20080724 WO2006US22006 20060607

Priority: US20030649757 20030826; US20040824531 20040413; US20040824531F 20040413; EP20040104317 20040908;
US20040988281 20041113; US20060332793 20060113; US20060370316 20060308; US20060395977 20060331; US20060260003F 20060518;
US20070732727 20070404; US20080150012 20080424; US20110160448 20110614; US20120405837 20120227;

Cited documents: WO07126409 A2, WO06117444 A1, WO03075726 A1, WO03005871 A1, WO03003888 A1, USRE24607 E, USD563164 S1, USD557559 S1, USD554427 S1, USD554426 S1, USD546118 S1, USD536216 S1, USD532648 S1, USD532255 S1, USD521802 S1, USD519321 S1, USD517862 S1, USD501759 S1, USD501310, USD500633 S1, USD499603 S1, USD487668 S1, USD470050 S1, USD446995 S1, USD445634 S1, USD410388, USD399050, USD317722, USD309364, USD281945 S1, USD278602, USD260350 S1, USD248204, US958713, US7384182 BB, US7371004 BA, US7364348 BA, US7320542 BB, US7278779 BB, US7267478 BB, US7220049 BB, US7066640 BB, US7063456 BB, US7040799 BB, US6817750 BA, US6796705 BA, US6786440 BB, US6758592 BB, US6666574, US6513967 BB, US6448118 BB, US6406214 BA, US6350053 BA, US6338569 BA, US6241817 BA, US6225197 BA, US6223652 BA, US6193407 BA, US6135019 A, US6116469 A, US6065861 A, US5940693 A, US5911504 A, US5882113 A, US5863118 A, US5855431 A, US5720552 A, US5691578 A, US5690021 A, US5680968 A, US5662032 A, US5657417 A, US5639161 A, US5636923 A, US5580926 A, US5500967 A, US5479851 A, US5446995 A, US5355784 A, US5353697 A, US5323973 A, US5311068 A, US5302021 A, US5258654 A, US5150803 A, US5147826 A, US5044758 A, US4961521 A, US4955513, US4946286 A, US4912338 A, US4889248 A, US4785194 A, US4723719 A, US4714203 A, US4708487 A, US470050 A, US4664530 A, US4561782 A, US4542857 A, US4487509 A, US4480926 A, US4435084, US4397427 A, US4345517 A, US4284200, US4274563, US4233891 A, US4111372 A, US4087053 A, US4008883 A, US4008403 A, US4001645 A, US4000839, US3970258 A, US3901484 A, US3895548 A, US3885710 A, US3881705 A, US3801798 A, US3785579 A, US3761735 A, US3704864 A, US3678288 A, US3664554, US3612126 A, US3603364 A, US3558902 A, US3537691 A, US3504816 A, US3417972 A, US3346029 A, US3315946 A, US3240246 A, US3219847 A, US3175594 A, US3140019, US3101857 A, US3085710 A, US3064949 A, US2992715 A, US2975946 A, US2804289 A, US2799785 A, US2771111 A, US2761659 A, US2758623 A, US2758223 A, US2757909 A, US2700737 A, US2576903 A, US2530455 A, US2522984 A, US2472973 A, US2401780 A, US2311438 A, US2307580 A, US2304476 A, US2299730 A, US2008196602 AA, US2007183256 AA, US2007147171 AA, US2006209627 AA, US2006176770 AA, US2006153003 AA, US2006120215 AA, US2006007779 AA, US2005229795 AA, US2005207270 AA, US2005185507 AA, US2005174882 AA, US2005122837 AA, US2005068847 AA, US2005068846 AA, US2005047272 AA, US2004173105 AA, US2003230658 AA, US2003214875 AA, US2003213373 AA, US2003193833 AA, US2002176320 AA, US2002012288 AA, US2001036124 AA, US1824929 A, US1762353 A, US1672690 A, US1480914 A, US1141358 A, KR200202865 Y1, KR200202865, KR19990073275 A, KR19960007233, KR100323245 B1, KR100323245, KR100263732 B1, KR100263732, JP9065988 A2, JP8196439 A2, JP7231856 A2, JP7227166 A2, JP7227165 A2, JP7204110 A2, JP6319656 A2, JP5245052 A2, JP5199944 A2, JP5199943 A2, JP4017820 A2, JP2007275503 A2, JP2006231085 A2, JP2006061639 A2, JP2005177126 A2, JP2005066351 A2, JP2004016693 A2, JP2003259995 A2, JP2003259994 A2, JP2002336139 A2, JP2002336139, JP2002291627 A2, JP2002177155 A2, JP2000201838 A2, JP2000201837 A2, JP1145030 A2, JP11137454 A2, JP10117944 A2, FR1261346 A, EP1586259 A1, EP1510161 A2, EP1279359 A2, EP0562310 A1, DE19602147 A1, CN322076,

Assignee(s): (std): HOMELAND HOUSEWARES LLC ; RAMLAND HOWERS CORP ; SANDS LENNY

Assignee(s): CAPBRAN HOLDINGS LLC ; JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS ; JPMORGAN CHASE BANK NATIONAL ASSOCIATION ; LOHAN MEDIA LLC

Inventor(s): (std): LENNY SANDS ; SANDS LENNY

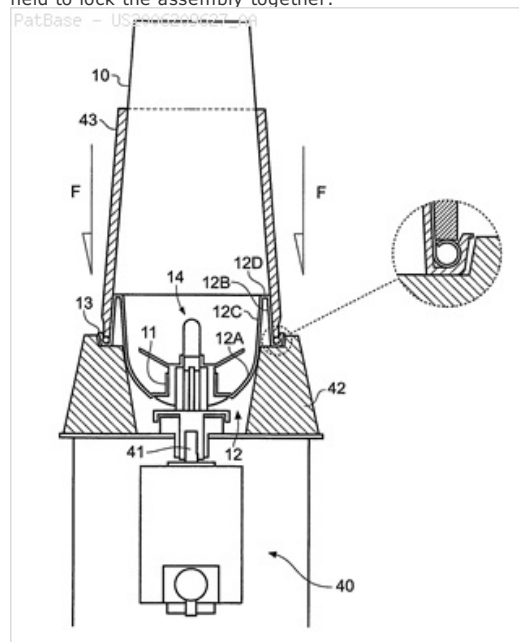
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3) Family number: 29078363 (US2006209627A)

Title: MIXING APPARATUS

Abstract:

Source: US2006209627A A mixing apparatus has a container base and a container lid with the lid carrying a mixing mechanism extending through the lid. The mixing mechanism includes at one end a mixing element and at the other end a drive connection to a drive motor. When the drive is operated, the mixing element mixes the contents of the container, usually with the container inverted. The lid has a rim portion with a circumferential slot, and the top edge of the container is located in the slot when the lid is assembled with the container to improve the connection between the lid and the container during mixing. The lid within the rim portion carries the mixing mechanism and during mixing, the assembly is held to lock the assembly together.



International class (IPC 8-9): A47J43/04 A47J43/042 A47J43/046 A47J43/07 B01F15/02 B01F7/00 B65D43/02 B65D51/32 (Advanced/Invention); A47J36/06 B01F7/16 (Advanced/Non-invention)

International class (IPC 1-7): A47J43/042 A47J43/07 B65D43/02 B65D51/32

CPC: A47J36/06 A47J43/046 A47J43/0727 A47J43/0761 A47J43/085

European class: A47J43/046 A47J43/07D A47J43/07S4 K47J36/06

US class: 366/199 366/205 366/205P 366/251 366/314 366/347

JP class F-Term: 4B053 4B053/AA01 4B053/BA14 4B053/BB02 4B053/BE04 4B053/BL20 4B053/BA02 4B053/BC01 4B053/BC14 4B053/BD02 4B053/BD07 4B053/BE12

JP class F-Index: A47J43/046

Family:

Publication number	Pub. date	Application number	App. date
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AT518465 E	20110815	AT20040003340T	20040809
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CN1832698 A	20060913	CN200480022565	20040809

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WO05013787 A1 20050217 WO2004GB03432 20040809

Priority: GB20030018584 20030807; EP20040768017 20040809; EP20080003340 20040809; US20040566974 20040809;
WO2004GB03432 20040809; JP20060522420 20040809; JP20060522420T 20040809; US20060566974 20060301; US20110098003 20110429;

Cited documents: WO04002281 A1, WO03101855 A1, WO03002241 A1, USRE24607 E, USD595537 S1, USD487668 S1, USD372835 S1, USD281945 S1, US7878702 BB, US7677435 BB, US7587972 BB, US7476018 BB, US7469627 BB, US7441944 BB, US7430957 BB, US7422169 BB, US7402092 BA, US7384182 BB, US7380685 BB, US7377207 BB, US7371004 BA, US7309156 BB, US7178977 BB, US7168845 BB, US7147365 BB, US6960292 BB, US6854876 BB, US6854875 BB, US6817750 BA, US6792849 BA, US6662978 BB, US6659302 BB, US6564697 BB, US6561376 BB, US6472007 BB, US6431744 BA, US6363837 BA, US6345572 BA, US6338569 BA, US6216903 BA, US6164196 A, US6155161 A, US6082575 A, US6076699 A, US6071006 A, US6071006, US5918767 A, US5918761 A, US5911504 A, US5816136 A, US5727742 A, US5692617 A, US5662032 A, US5478149 A, US5456586 A, US5456380 A, US5431276 A, US5168140 A, US5088832 A, US4941752 A, US4889248 A, US4885917 A, US4867313 A, US4811860 A, US4792292 A, US4708487 A, US4688478 A, US4508235 A, US4487509 A, US4480926 A, US4147281 A, US4108054 A, US4057361 A, US3997008 A, US3931890 A, US3881705 A, US3729112 A, US3704864 A, US3690793 A, US3635147 A, US3612126 A, US3489231 A, US3335901 A, US3315946 A, US3303370 A, US3285331 A, US3263969 A, US3135111 A, US3112841 A, US3104045 A, US3085281 A, US3080997 A, US3064949 A, US3023926 A, US2971304 A, US2940738 A, US2920875 A, US2858861 A, US2774576 A, US2695115 A, US2628081 A, US2585767 A, US2544594 A, US2530124 A, US2455177 A, US2352684 A, US2350950 A, US2345876 A, US2130113 A, US2097423 A, US2086858 A, US2042176 A, US2010020633 AA, US2010005979 AA, US2009277813 AA, US2009277812 AA, US2009277335 AA, US2009109793 AA, US2008212403 AA, US2008202346 AA, US2008057168 AA, US2008037360 AA, US2007109913 AA, US2006209627 AA, US2006153003 AA, US2006120215 AA, US2005105387 AA, US2005068847 AA, US2005047272 AA, US2004190373 AA, US2002127307 AA, US1979911 A, US1874079 A, US1351243 A, US1122955 A, KR960007233 A, KR19960007233, JP54414940 Y1, JP9099946 A2, JP8318957 A2, JP64023277 U1, JP6027606 U, JP6027606 U, JP44014940 Y1, JP44014940 Y1, JP3237945 A2, JP2002541882 T2, JP2002541882, JP2002053159 A2, JP2001520901 T2, JP2001520901, JP2001520901, JP1138339 U, JP1138339 U, JP1023277 U, JP1023277 U, GB1388331 A, GB1388331, EP1279359 A2, DE20208386 U1, DE20208386, **Assignee(s):** (std): MCGILL SHANE R ; MCGILL SHANE ROBERT ; MCGILL TECH LTD
Assignee(s): MCGILL TECHNOLOGY LIMITED ; MCGILL TECHNOLOGY LTD ; MCGILL TECHNOLOGY LTD KINGS HILL WEST MALLING ; N A
Inventor(s): (std): MCGILL SHANE R ; MCGILL SHANE ROBERT ; ROBERT MCGILL SHANE ; SHANE ROBERT MCGILL
Inventor(s): MCGILL SHANE
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

4) Family number: 30117867 (US2002176320A)

Title: BLENDER BASE WITH FOOD PROCESSOR CAPABILITIES

Abstract:

Source: US2002176320A A blender base that may be used with a food processor container, a blender container, and a single use beverage container. The blender container includes a novel blade unit having a food processor-style blade and blender type blades. Programs with preprogrammed motor commands for desired operations are stored in memory and may be selected by a user on a user interface. The user interface may include a liquid crystal display, or function switches and light emitting diodes. Upon selection of a particular pre-defined function, the microcontroller retrieves the appropriate program from the read only memory and specifies the preprogrammed motor commands to accomplish the selected function.



International class (IPC 8-9): A47J17/00 A47J43/04 A47J43/042 A47J43/046 A47J43/06 A47J43/07 A47J43/08 A47J44/00 A47J44/02 B01F13/00 B01F13/04 B01F15/00 B01F7/00 B01F7/16 B02C2/04 G05D11/13 G06F3/048 (Advanced/Invention);

A47J43/044 B01F7/00 B65D1/00 (Advanced/Non-invention);

A47J43/04 B01F7/16 (Core/Invention);

B01F7/00 (Core/Non-invention)

International class (IPC 1-7): A47J43/04 A47J43/046 A47J43/08 A47J44/02 B01F13/00 B01F7/00 B01F7/16 B01F7/20 B02C1/08 B02C17/20 B02C23/36 B02C4/06 B02C4/18 H02P1/02

CPC: B01F7/162 Y10S366/601 Y10S388/936 A47J43/042 A47J43/046 A47J43/06 A47J43/0716 A47J43/0722 A47J43/0727 A47J43/085 A47J2043/0449 B01F7/00275

European class: A47J43/042 A47J43/046 A47J43/06 A47J43/07C A47J43/07C2 A47J43/07D A47J43/08C B01F7/16D K47J43/044K8 L01F7/00B16B3

US class: 215/228 241/282.1 241/282.100S 241/285.1 241/285.100P 241/46.017 318/256 318/257 318/268 318/280 318/434 318/452 318/466 318/468 318/474 366/142 366/142P 366/142S 366/197 366/198 366/199 366/202 366/202S 366/204 366/205 366/205P 366/205S 366/206 366/206P 366/206S 366/207 366/209 366/251 366/251S 366/279 366/279S 366/314 366/347 366/348 366/601 388/936 700/265 700/265P 715/810 715/810S 99/348

JP class F-Term: 4B053 4B053/AA01 4B053/BA03 4B053/BA12 4B053/BA14 4B053/BB02 4B053/BC14 4B053/BD03 4B053/BD08 4B053/BJ03 4B053/BJ07

JP class F-Index: A47J43/046 A47J43/06 A47J44/02

Family:

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Cited documents: WO9937193, WO9937193, WO9917648, WO9917648, WO9917647, WO9917647, WO9917646, WO9917646, WO9901060, WO9901060, WO9843522, WO9843522, WO9824350, WO9824350, WO9524852, WO9524852, WO0047093, WO0047093, WO0030516, WO0030516, WO0030515, WO0030515, WO0024302, WO0024302, WO0019878, WO0019878, WO0013563, WO0013563, USR24607 E, USR24607 E, US0500633 S1, US0487668 S1, US0486997 S1, US0470050 S1, US0417590 S1, US037905 S1, US0385149 S1, US0347966 S1, US0281945 S1, US0231068 S1, US7841764 BB, US7632007 BB, US7632007 B1, US7520659 BB, US7520659 B1, US7371004 BA, US6854876 BB, US6834818 BB, US6817750 BA, US6811303 BB, US6758592 BB, US6666574 BA, US6632013 BB, US6609821 BB, US6550703 BB, US6523994 BB, US6513967 BB, US6488403 BB, US6364226 BA, US6346206 BA, US6342260 BB, US6338569 BA, US6325312 BA, US6242839 BA, US6223652 BA, US6196113 BA, US6135019 A, US6123449 A, US6095677 A, US6092922 A, US6090426 A, US6065861 A, US6010029 A, US5911504 A, US5904421 A, US5882113 A, US5845991 A, US5823672 A, US5819636 A, US5809872 A, US5797521 A, US5727742 A, US5720552 A, US5717301 A, US5690021 A, US5669095 A, US5662032 A, US5655834 A, US5639161 A, US5588747 A, US5584457 A, US5567049 A, US5556198 A, US5531353 A, US5487511 A, US5421713 A, US5410236 A, US5380086 A, US5347205 A, US5280227 A, US5268620 A, US4899902 A, US4889248 A, US4885917 A, US4822172 A, US4745773 A, US4723719 A, US4714203 A, US4708487 A, US4681030 A, US4674886 A, US4568193 A, US4541573 A, US4541524 A, US4528824 A, US4523083 A, US4487509 A, US4480926 A, US4462694 A, US4459524 A, US4435084 A, US4297038 A, US44260267 A, US4111372 A, US4087053 A, US4010934 A, US3970258 A, US3962615 A, US3955430 A, US3951351 A, US3934321 A, US3942421 A, US3908100 A, US3884423 A, US3881705 A, US3856220 A, US3847311 A, US3837587 A, US3833845 A, US3784118 A, US3733396 A, US3721875 A, US3704864 A, US3678288 A, US3611269 A, US3611216 A, US3550657 A, US3548280 A, US3525912 A, US3458175 A, US3417972 A, US3368800 A, US3352543 A, US3344829 A, US3337193 A, US3315946 A, US3300150 A, US3220450 A, US3175594 A, US3112079 A, US3085710 A, US3064949 A, US3036614 A, US3024010 A, US2947524 A, US2897862 A, US2804289 A, US2800310 A, US2788038 A, US2771111 A, US2758623 A, US2740029 A, US2733396 A, US2733052 A, US2702571 A, US2678775 A, US2666730 A, US2585255 A, US2576802 A, US2564553 A, US2530455 A, US2304476 A, US2299730 A, US2294473 A, US2109501 A, US2010534 A, US2005068847 AA, US2003193833 AA, US2003147330 AA, US2002176320 AA, US2002141286 AA, US2002139884 AA, US2002011923 AA, US1480914 A, KR960007233 A, KR19960007233, JP6189863, JP10137138 A2, EP0963726, EP0963726, EP0948279, EP0948279, EP0812560, EP0812560, EP0805641, EP0805641, EP0784445, EP0784445, EP0699409, EP0699409, EP0638273, EP0638273, EP0576368, EP0576368, EP0575912, EP0575912, EP0571348, EP0571348, EP0567853, EP0567853, EP0549818 A1, EP0549818 A1, EP0529287, EP0529287, EP0475470 A2, EP0440051 A1, EP0417800 A2, EP0346598 A1, EP0344061 A1, EP0253719 A1, EP0253179 A2, EP0212952 A2, EP0158032 A1, EP0129222 A2, EP0127898 A2, EP0120496 A1, EP0101237 A2, EP0084874 A1, EP0084745 A1, EP0081874 A1, EP0076712 A1, EP0046169 A1, EP0025972 A1, EP0024992 A1, EP0013805 A2, EP0012976 A1, EP0004987 A1, EP0004908 A1, DE8400493 U1, DE8400493, DE4242289 A1, DE3933039 A1, DE3837961 A1, DE3644268 A1, DE3628702 C1, DE3616158 A1, DE3540370 A1, DE3503867 C1, DE3443431 A1, DE3433164 A1, DE3335139 A1, DE3225591 C1, DE3206493 A1, DE3121252 A1, DE3117773 A1, DE3113760 A1, DE3013382 A1, DE3007915 A1, DE3001182 A1, DE29915733 U1, DE29915733, DE2991573, DE2991573, DE2945000 A1, DE28813168 U, DE28813168, DE28813168, DE2881316, DE2881316, DE2881316, DE2881316, DE2850725 A1, DE2817517 A1, DE2813168 A1, DE2705662 A1, DE2511155 A1, DE2414813 A1, DE19912750 A1, DE19818506 A1, DE19814355 A1, DE19732261 A1,

Assignee(s): (Std): GREENE MICHAEL ; LOZINSKI GERALD J ; MCCOLGIN JERRY L ; MCCOLGIN JERRY LEE ; MORTON MICHAEL ; O NEILL ERIC ; SUNBEAM PRODUCTS INC ; SUNBEAM PRODUCTS INC A CORP OF ; WULF JOHN DOUGLAS ; SOULTANIAN DANIEL S ; DAVIS MONTE ; DENTON MATTHEW C ; DENTON MATTHEW CRAIG ; WULF JOHN D

Assignee(s): GENERAL ELECTRIC CAPITAL CORP ; SUNBEAM PRODUCTS INC A OF STATE OF DELAWARE CORP ; SUNBEAM PRODUCTS INC 2381 EXECUTIVE CENTER DRI VER ; SUNBEAM PRODUCTS INC A OF STATE OF CORP

EXECUTIVE CENTER DRIVEN ; SONBEAM PRODUCTS INC A OF STATE OF CORP
Investor(s): (std): DENTON MATTHEW CRAIG ; LOZINSKI GERALD J ; MCCOLGIN JERRY LEE ; MORTON MICHAEL ; SOULTANIAN DANIEL S ; WULF JOHN
DOUGLAS ; WULF JOHN D ; MCCOLGIN JERRY L ; DENTON MATTHEW C ; O NEILL ERIC ; GREENE MICHAEL ; DAVIS MONTE ; ULF J D ; NEAL E O ; GREEN
M : DAVIS M

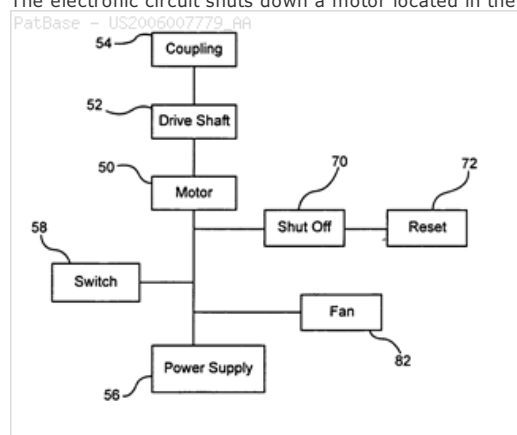
Inventor(s): E O NEAL ; M GREEN ; M DAVIS ; J D ULF ; DENTON MATTHEW ; MCCOLGIN JERRY ; LOZINSKI GERALD ; WULF JOHN ; SOULTANIAN DANIEL ; O'NEILL ERIC

5) Family number: 32540219 (US2006007779A)

Title: BLENDER

Abstract:

Source: US2006007779A A blender is disclosed. The blender includes a blender body, an electronic circuit, a container, a blade base, and a cap. The electronic circuit shuts down a motor located in the blender body upon the lapse of a time period.



International class (IPC 8-9): B01F13/00 B01F7/00 (Advanced/Invention);
B01F13/00 B01F7/00 (Core/Invention)

CPC: A47J43/0727 A47J43/0761 A47J43/085

European class: A47J43/07D A47J43/07S4 A47J43/08C
US class: 366/205 366/206 366/601
Family:

Publication number	Pub. date	Application number	App. date
US2006007779 AA	20060112	US20040885274	20040706

Priority: US20040885274 20040706;

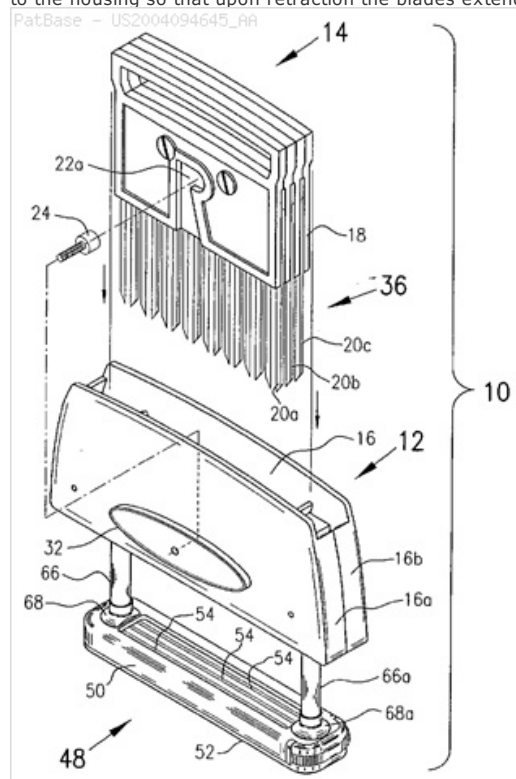
Cited documents: USD532648 S1, USD487668 S1, USD470050 S1, US7066640 BB, US6827476 BB, US6817750 BA, US6758592 BB, US6609821 BB, US6402365 BA, US5845991 A, US5556198 A, US4893942 A, US4822172 A, US3951351 A, US3101857 A,
Assignee(s): (std): PRODUCTS OF TOMORROW INC
Inventor(s): (std): FERNANDEZ JUAN ; MCGRATH PAUL

6) Family number: 30572404 (US2004094645A)

Title: FOOD PROCESSOR WITH REMOVABLE BLADE CARTRIDGE

Abstract:

Source: US2004094645A A cartridge for a hand operated food processor including a blade holder holding at least one blade. A quick release lock is provided for retaining the cartridge in a casing. The cartridge preferably includes at least one series of aligned blades held by the blade holder utilizable for piercing and cutting food. The invention further includes a food processor having a housing including the above cartridge and a casing holding the cartridge. The invention also includes a food processor having a housing that has at least one blade and preferably at least one longitudinal series of blades for piercing and cutting food where each of the blades has side surface portions and a cutting tip edge portion. A base is provided with openings through which the blades can pass to pierce and cut food. The base includes a fixed base portion and a removable base portion. The removable base portion is provided with a sufficient number of longitudinal slots, open at one end of the slots, so that the slots in the removable base portion can be placed over the side surface portions of the blades without encountering the cutting tip edge portions of the blades. The removable base portion can be easily secured to the fixed base portion and easily removed from the fixed base portion utilizing a quick release latch mechanism. The fixed base portion is secured to the housing by a retracting mechanism that permits retraction of the base relative to the housing so that upon retraction the blades extend through the slots to process food in contact with the bottom of the base.



International class (IPC 8-9): A22C9/00 B25F1/00 (Advanced/Invention)

International class (IPC 1-7): A22C9/00 A47J43/00 B02C1/00 B25F

CPC: A22C9/008

European class: A22C9/00F

US class: 241/169 241/283 241/283P 241/285.1 452/146 452/147 70/400 D7/682

Family:

Publication number	Pub. date	Application number	App. date
AT478561 E	20100915	AT20040778472T	20040715
DE602004028854 D1	20101007	DE200460028854T	20040715
EP1682314 A2	20060726	EP20040778472	20040715
EP1682314 A4	20080514	EP20040778472	20040715
EP1682314 B1	20100825	EP20040778472	20040715
US2004094645 AA	20040520	US20030706781	20031112
US6948670 BB	20050927	US20030706781	20031112
US521820 S1	20060530	US20050227991F	20050419
WO05056245 A2	20050623	WO2004US22974	20040715
WO05056245 A3	20060223	WO2004US22974	20040715

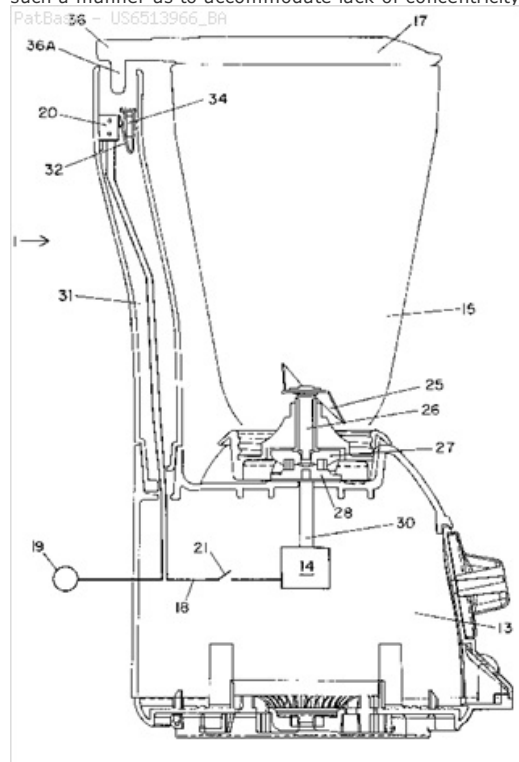
Priority: US20020426300P 20021114; US20030706781 20031112; US20030706781F 20031112; WO2004US22974 20040715; US20050227991F 20050419;

Cited documents: USD43064, USD276685, USD25841, USD229274, US6601499 BA, US6435080 BA, US6120368 A, US5336125 A, US5156084 A, US5104050 A, US5085614 A, US4870717 A, US4865258 A, US4463476 A, US4462139 A, US4199841 A, US4169300 A, US3900918 A, US3869755 A, US3661072 A, US3651541 A, US3611476 A, US2253123 A, EP0534516 A1, DE19737085 A1, CA2077730 AA,
Assignee(s): (std): CALDWELL BRADLEY ; JACCARD CORP ; JACCARD CORP A NEW YORK CORP ; KUJAWSKI STANLEY M ; WANGLER ERIC J
Assignee(s): CROWLEY WANGLER MARY P ; ERIC J WANGLER AND MARY P CROWLEY WANGLER ; JACCARD A NEW YORK CORP
Inventor(s): (std): CALDWELL BRADLEY ; KUJAWSKI STANLEY ; KUJAWSKI STANLEY M ; WANGLER ERIC ; WANGLER ERIC J
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 ME 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

7) Family number: 15293716 (US6513966B)
Title: Electric blender with safety interlock arrangement

Abstract:

Source: US6513966B An electric blender comprises a base unit including an electric motor, a connecting line for connecting the motor to a power supply, a separate glass container incorporating rotatable blades and engageable with the base unit so that the motor, when connected to the power supply will drive the blades, a lid for closing the container but separable therefrom, and interlock switch in said connecting line operable between closed and open conditions, the switch being normally biased to its open condition and an enabling member integral with the lid and arranged to operate the switch to the closed condition only when the container and its lid are correctly engaged with one another and the container is engaged with the base unit. The base unit includes an upwardly extending stalk in which the switch is located an an actuator movable vertically in the stalk acting between the projection and the switch and movable to 4 mm beyond the position in which it first operates the switch to the motor enabled condition, so as to accommodate tolerance variations in the container height. The projection and actuator also interengage in such a manner as to accommodate lack of concentricity of the glass container.



International class (IPC 8-9): A47J43/07 (Advanced/Invention);
A47J43/04 (Core/Invention)
International class (IPC 1-7): A47J42/56 A47J43/046 B02C23/04
CPC: A47J43/0766
European class: A47J43/056C2 A47J43/07S4B
US class: 241/37.5 366/205 366/206
Family:

Publication number	Pub. date	Application number	App. date
AT271822 E	20040815	AT20000937028T	20000602
AU200052324 A1	20010305	AU20000052324	20000602
AU200052324 A5	20010305	AU20000052324	20000602
AU759478 B2	20030417	AU20000052324	20000602
DE60012471 D1	20040902	DE20006012471	20000602
DE60012471 T2	20050915	DE20006012471T	20000602
EP1123030 A1	20010816	EP20000937028	20000602
EP1123030 B1	20040728	EP20000937028	20000602
GB200013313 A0	20000726	GB20000013313	20000602
GB2352648 A1	20010207	GB20000013313	20000602
GB2352648 B2	20030618	GB20000013313	20000602
GB2352648 C	20060823	GB20000013313	20000602
GB9918356 A0	19991006	GB19990018356	19990805
US6513966 BA	20030204	US20010807100	20010713
WO0110276 A1	20010215	WO2000GB02132	20000602

Priority: GB19990018356 19990805; WO2000GB02132 20000602;

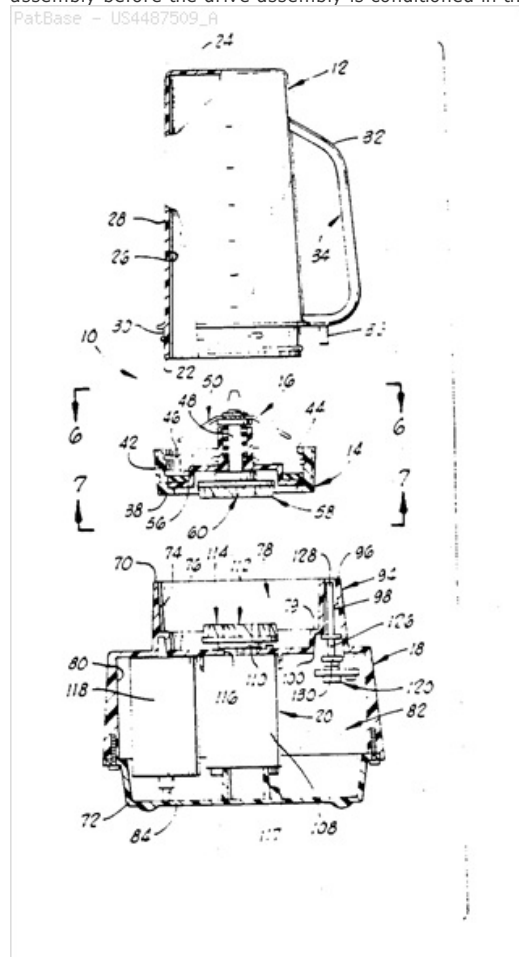
Cited documents: US6350053 BA, US6209810 BA, US6186425 BA, US6112649 A, US5809872 A, US5779358 A, US5639161 A, US5567049 A, US5353697 A, US5338111 A, US5323973 A, US4741482 A, US4691870 A, US4629131 A, US4506836 A, US4487509 A, US4396159 A, US4373677 A, US4371118 A, US4335860 A, US4297038 A, US4269519 A, US4216917 A, US4213569 A, US4200240 A, US4111372 A, US4108054 A, US4107791 A, US3892365 A, US3786999 A, US3785579 A, US3713628 A, US3612126 A, US3315946 A, US3128996 A, US2284155 A, US2002071340 AA, US2002012288 AA, US1997873 A, GB2249368 A1, GB22249368, GB2134804 A1, EP0638273 A1, EP0571348 A1, EP0257705 A1,
Assignee(s): (std): BEVINGTON DALE ; DUALIT LTD ; DURALIT LIMITED ; GORT BARTEN LESLIE ALEXANDER
Assignee(s): DUALIT LTD CRAWLEY ; DUALIT LIMITED
Inventor(s): (std): BEVINGTON DALE ; DALE BEVINGTON ; GORT BARTEN LESLIE ALEXANDER ; LESLIE ALEXANDER GORT BARTEN
Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM 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 MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

8) Family number: 2142015 (US4487509A)
Title: PORTABLE BLENDER

Abstract:

Source: US4487509A A blender for blending materials having a container with a container opening extending a distance therethrough and intersecting the upper end thereof, a cap removably connectable to the open upper end of the container, a mixer connected to the cap for blending the material and a drive assembly having a portion adapted to receive the cap with the container connected thereto and another portion removably engageable with the mixer for driving the mixer to blend the material contained in the container. The drive assembly is adapted to be battery operated and the blender of the present invention includes a recharger for recharging the blender batteries. The blender includes a switch for establishing electrical continuity between the DC motor of the drive assembly and the blender batteries, and the switch is positioned and

actuated in such a manner that the cap with the container connected thereto virtually must be positioned so the mixer is connected to the drive assembly before the drive assembly is conditioned in the driving condition.



International class (IPC 8-9): A47J43/046 B01F7/00 (Advanced/Invention); A47J43/04 (Core/Invention)

International class (IPC 1-7): B01F13/04 B01F7/00 B01F7/16

CPC: Y10S366/601 A47J43/046

European class: A47J43/046

US class: 366/199 366/206 366/279 366/314 366/601

Family:

Publication number	Pub. date	Application number	App. date
CA1201430 A1	19860304	CA19830429686	19830603
GB2134804 A1	19840822	GB19830015578	19830607
GB2134804 B2	19860625	GB19830015578	19830607
GB8315578 A0	19830713	GB19830015578	19830607
US4487509 A	19841211	US19830458560	19830117

Priority: US19830458560 19830117; CA19830429686 19830603;

Cited documents: US3343816 A, US3289897 A, US3257600 A, US3200319 A, US3005399 A, US2930596 A, US2690330 A, US2530455 A, US2042176 A, US1601934 A,

Assignee(s): (std): BOYCE R D ; BOYCE RAYMOND D

Assignee(s): RAYMOND D BOYCE ; BOYCE PORTABLEND INC ; BOYCE PORTABLEND INC A CORP OF OKLAHOMA

Inventor(s): (std): BOYCE RAYMOND D

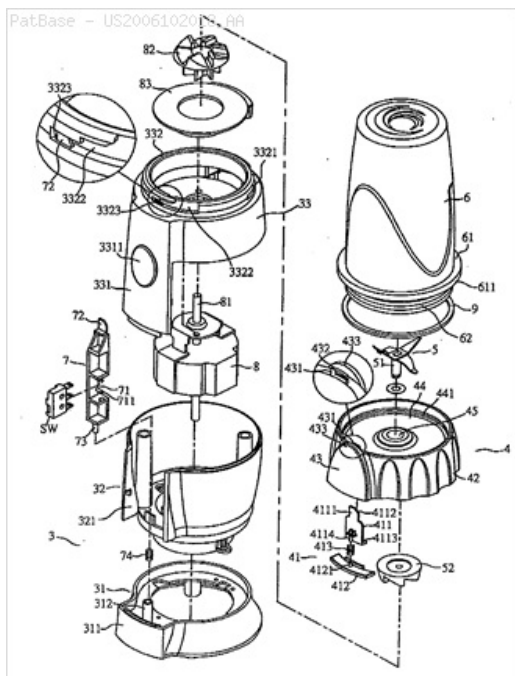
Inventor(s): RAYMOND D BOYCE

9) Family number: 33002446 (US2006102018A)

Title: SAFETY DEVICE OF A JUICE EXTRACTOR

Abstract:

Source: US2006102018A A safety device of a juice extractor is disclosed. The juice extractor comprises an extractor body, a motor, a cup seat having a holding rib at one side of the cup seat and the holding rib containing a triggering member, and the bottom end of the cup seat being screwed to the top holding seat and the bottom end of the cup seat screwed to the cup body, characterized in that the protruded edge of the top holding seat is a slot to connect the cup body to the cup seat, and is then connected to the top holding seat, then the triggering member mounted at the cup seat can slide at the bottom section of the slot so as to depress the connection shaft, thereby by the safety of the juice extractor is improved.



International class (IPC 8-9): A23L1/00 A23N1/00 A47J43/06 A47J43/07 B02C19/12 B02C25/00 B23Q15/00 (Advanced/Invention); A23L1/00 A23N1/00 A47J43/04 B02C25/00 B23Q15/00 (Core/Invention)

CPC: Y10S366/601 A47J43/0766

European class: A47J43/07S4B

US class: 366/314 366/601 99/348 99/492 99/510 994/920

Family:

Publication number **Pub. date** **Application number** **App. date**

US2006102018 AA 20060518 US20040989331 20041117

US7063009 BB 20060620 US20040989331 20041117

Priority: US20040989331 20041117;

Cited documents: US6854876 BB, US6854876 BA, US6854876 B1, US6837153 BA, US6666574 BA, US6632013 BB, US6632013 BA, US6632013 B1, US6595121 BA, US6527433 BB, US6527433 BA, US6527433 B1, US6523993 BB, US6523993 BA, US6523993 B1, US6189441 BA, US6135019 A, US5809872 A, US5662032 A, US5584577 A, US2940738 A,

Assignee(s): (std): LIN KUAN CHIH

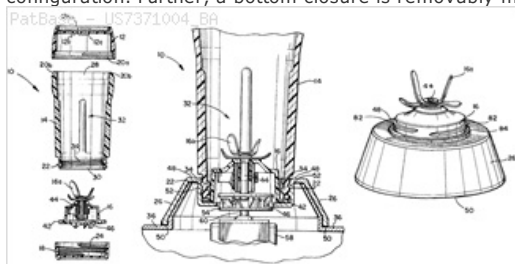
Inventor(s): (std): LIN KUAN CHIH

10) Family number: 41787113 (US7371004B)

Title: TRAVEL MUG CONFIGURED TO BLEND FOOD AND METHOD THEREOF

Abstract:

Source: US7371004B A travel mug that is configured to blend food and adapted for being transported with a user in a drinking configuration and for mounting to a blender for blending food therein in a blending configuration. The mug includes a cup body having an open top, an open bottom and a cavity therein. A drinking cap is removably mounted to the top of the cup body. The drinking cap includes a drinking hole and a closure movable between a sealing position wherein the closure seals the drinking hole and an open position where the closure is spaced from the drinking hole. A blade fitting, having a blending blade, is removably mounted to the bottom of the cup body when the travel mug is in the blending configuration. Further, a bottom closure is removably mounted to the bottom of the cup body when the travel mug is in the drinking configuration.



International class (IPC 8-9): A45F3/18 A47J43/046 (Advanced/Invention);

A45F3/00 A47J43/04 (Core/Invention)

CPC: A47J43/046

European class: A47J43/046

US class: 366/130 366/205

Family:

Publication number **Pub. date** **Application number** **App. date**

CN101258964 A 20080910 CN200810006564 20080306

CN101258964 B 20110706 CN200810006564 20080306

US7371004 BA 20080513 US20070684040 20070309

Priority: US20070684040 20070309;

Cited documents: WOW003888, WO06117444 A1, WO03003888 A1, WO0003888, USD484743 S1, USD467122 S1, USD457035 S1, USD454756 S1, USD432865 S1, USD377293 S1, USD327818 S1, US7066640 BB, US6854875 BB, US6758592 BB, US6616323 BB, US6609821 BB, US6511031 BB, US6450363 BA, US6338569 BA, US6210033 BA, US5911504 A, US5855431 A, US5720552 A, US5692830 A, US5639161 A, US5425579 A, US4487509 A, US4435084 A, US3881705 A, US2530455 A, US2006176770 AA, US2006175331 AA, US2006126431 AA, US2006028911 AA, US2005184078 AA, US2005105387 AA, US2004114457 AA, US2002127307 AA, US2001036124 AA,

Assignee(s): (std): HAMILTON BEACH BRANDS INC

Assignee(s): HAMILTON BEACH BRANDS INC WAS KNOWN AS HAMILTON BE ; HAMILTON BEACH PROCTOR SILEX INC ; UBS AG ; UBS STAMFORD BRANCH AGENT AG AS ; WELLS FARGO BANK NATIONAL ASSOCIATION ; HAMILTON BEACH BRANDS INC WAS KNOWN AS HAMILTON BEACH PROCTOR SILEX INC..

Inventor(s): (std): BRANSON III BENJAMIN HENRY ; ROMANDY MARK K ; HENRY BRANSON III BENJAMIN