

**CPC****COOPERATIVE PATENT CLASSIFICATION****B65F****GATHERING OR REMOVAL OF DOMESTIC OR LIKE REFUSE**

(disinfecting refuse [A61L](#); refuse disintegrators [B02C](#); sorting refuse [B03B](#); [B07B](#); handcarts for transporting refuse receptacles [B62B](#); sack holders [B65B 67/00](#); converting refuse into fertilisers [C05F](#); converting refuse into solid fuels [C10L](#); sewers, cesspools [E03F](#); arrangements in buildings for the disposal of refuse [E04F 17/10](#); refuse-consuming furnaces [F23G](#); { for surgical articles [A61B 19/0287](#) })

**B65F 1/00**

**Refuse receptacles;** { Accessories therefor } (containers not specially adapted for refuse, features of refuse receptacles of general interest [B65D](#))

- B65F 1/0006 . { Flexible refuse receptables, e.g. bags, sacks }
- B65F 1/0013 .. { with means for fixing and mounting of the receptacle to walls, doors }
- B65F 1/002 .. { with means for opening or closing of the receptacle }
- B65F 1/0026 .. { with odor controlling substances }
- B65F 1/0033 . { specially adapted for segregated refuse collecting, e.g. receptacles with several compartments; Combination of receptacles ([B65F 1/0093](#) takes precedence)}
- B65F 1/004 .. { the receptacles being divided in compartments by partitions }
- B65F 1/0046 ... { the partitions being movable, e.g. for varying the volume of the compartments }
- B65F 1/0053 .. { Combination of several receptacles }
- B65F 1/006 ... { Rigid receptacles stored in an enclosure or forming part of it }
- B65F 1/0066 ... { Rigid receptacles fixed on racks or posts }
- B65F 1/0073 ... { Flexible receptacles fixed on a frame or in an enclosure ([sack holders per se](#) [B65B 7/12](#)) }
- B65F 2001/008 .. { Means for automatically selecting the receptacle in which refuse should be placed }
- B65F 2001/0086 .. { Means for holding receptacles together }
- B65F 1/0093 . { specially adapted for collecting refuse from arrangements in buildings }
- B65F 1/02 . without removable inserts
- B65F 1/04 . with removable inserts
- B65F 1/06 .. with flexible inserts, e.g. bags or sacks {([B65F 1/0073](#) takes precedence)}
- B65F 2001/061 ... { the flexible inserts being used shopping bags }
- B65F 1/062 ... { having means for storing or dispensing spare bags }
- B65F 1/065 ... { with means aiding the insertion of the flexible insert }
- B65F 1/067 ... { with a plurality of flexible inserts }
- B65F 1/068 ... { with means aiding the removal of the flexible insert }
- B65F 1/08 .. with rigid inserts
- B65F 1/085 ... { with a plurality of rigid inserts }

- B65F 1/10 . with refuse filling means, e.g. air-locks
- B65F 1/105 .. { the filling means being pneumatic, e.g. using suction }
- B65F 1/12 . with devices facilitating emptying
- B65F 1/122 .. { Features allowing the receptacle to be lifted and subsequently tipped by associated means on a vehicle }
- B65F 1/125 .. { Features allowing the receptacle to be lifted and emptied by its bottom }
- B65F 1/127 .. { by suction }
- B65F 1/14 . Other constructional features; { Accessories } (holders or carriers for hand articles [A45F 5/00](#); fastening devices [E05C](#))
- B65F 1/1405 .. { Compressing means incorporated in, or specially adapted for, refuse receptacles (presses in general [B30B](#)) }
- B65F 1/141 .. { Supports, racks, stands, posts or the like for holding refuse receptacles ([B65F 1/0066](#) takes precedence) }
- B65F 1/1415 ... { for flexible receptables, e.g. bags, sacks }
- B65F 1/1421 ... { having means for operating lids or covers (pedal or hand-lever operated [B65D](#)) }
- B65F 1/1426 .. { Housings, cabinets or enclosures for refuse receptacles ([B65F 1/006](#), [B65F 1/1452](#) take precedence) }
- B65F 1/1431 ... { having a waste disposal chute integrally connected to a work top or the like, the refuse receptacle remaining static }
- B65F 1/1436 ... { having a waste receptacle withdrawn upon opening of the enclosure }
- B65F 1/1442 .... { the receptacle being rotated about a vertical axis }
- B65F 1/1447 ... { located underground }
- B65F 1/1452 .. { Lifting, hoisting, elevating mechanisms or the like for refuse receptacles (lifting in general [B66](#)) }
- B65F 1/1457 ... { for refuse receptacles located underground }
- B65F 1/1463 .. { Receptacles adapted to store one or more piles of used stackable containers, e.g. beverage cups }
- B65F 1/1468 .. { Means for facilitating the transport of the receptacle, e.g. wheels, rolls (hand-operated refuse vehicles [B65F 3/005](#)) }
- B65F 1/1473 ... { Receptacles having wheels }
- B65F 1/1478 .. { relating to noise reduction in receptacles during collecting of refuse, e.g. of glass }
- B65F 1/1484 .. { relating to the adaptation of receptacles to carry identification means }
- B65F 2001/1489 .. { Refuse receptacles adapted or modified for gathering compostable domestic refuse }
- B65F 2001/1494 .. { Refuse receptacles comprising means for preventing or extinguishing fire }
- B65F 1/16 .. Lids or covers ({ [B65F 1/1421](#) takes precedence }; pedal or hand-lever operated { for containers in general } [B65D](#))
- B65F 1/1607 ... { with filling openings }
- B65F 1/1615 ... { with means for locking, fastening or permanently closing thereof }
- B65F 1/1623 ... { with means for assisting the opening or closing thereof, e.g. springs (spring-actuated swinging wings [E05F 1/10](#)) }

B65F 1/163	....	{ Pedal-operated lids }
B65F 1/1638	....	{ Electromechanically operated lids }
B65F 1/1646	...	{ provided with means for mounting on receptacles, e.g. hinges }
B65F 2001/1653	..	{ Constructional features of lids or covers }
B65F 2001/1661	...	{ relating to noise reduction, e.g. during opening or closing }
B65F 2001/1669	...	{ relating to means for fixing or latching the lid or cover in a certain angle }
B65F 2001/1676	...	{ relating to means for sealing the lid or cover, e.g. against escaping odors }
B65F 2001/1684	....	{ Water slot seals }
B65F 2001/1692	...	{ relating to safety means, e.g. for children trapped inside the refuse receptacle }

**B65F 3/00**      **Vehicles particularly adapted for collecting refuse** (vehicles in general [B60](#); driving vehicle equipment or auxiliaries [B60K](#); discharging contents by tilting entire vehicles [B65G](#); wheeled apparatus for emptying sewers or cesspools [E03F 7/10](#))

B65F 3/001	.	{ for segregated refuse collecting, e.g. vehicles with several compartments }
B65F 2003/003	..	{ Footboards }
B65F 3/005	.	{ Hand-operated refuse vehicles }
B65F 2003/006	.	{ Constructional features relating to the tank of the refuse vehicle }
B65F 2003/008	..	{ interchangeable }
B65F 3/02	.	with means for discharging refuse receptacles thereinto (conveyer construction <a href="#">B65G</a> ; Loaders separate from vehicles <a href="#">B66F</a> ; fluid power control systems in general <a href="#">F15B</a> )
B65F 3/0203	..	{ with crane-like mechanisms }
B65F 3/0206	..	{ while the receptacles remain in place or are still attached to their supporting means }
B65F 3/0209	...	{ using suction }
B65F 3/0213	..	{ Means for facilitating the separation of discharging means from collecting vehicles }
B65F 2003/0216	..	{ the discharging means comprising a device for determining the volume of the content of refuse receptacles }
B65F 2003/022	..	{ the discharging means comprising a device for determining the weight of the content of refuse receptacles }
B65F 2003/0223	..	{ the discharging means comprising elements for holding the receptacle }
B65F 2003/0226	...	{ having means for adapting to different sized receptacles }
B65F 2003/023	...	{ Gripper arms for embracing the receptacle }
B65F 2003/0233	....	{ for embracing two or more receptacles }
B65F 2003/0236	...	{ Suction or vacuum heads }
B65F 2003/024	...	{ Means for locking the rim }
B65F 2003/0243	...	{ Means for locking the side, e.g. via spigots or trunnion pins }
B65F 2003/0246	...	{ Means for locking the front, e.g. via a handle }

B65F 2003/025	..	{ Constructional features relating to actuating means for lifting or tipping containers }
B65F 2003/0253	...	{ Means for synchronising or coupling two or more discharging devices, e.g. for allowing the discharge of one large container or the simultaneous discharge of two or more containers }
B65F 2003/0256	...	{ Means for vibrating or shaking the containers for facilitating emptying }
B65F 2003/0259	...	{ Means for automatically varying the speed of operation }
B65F 2003/0263	..	{ Constructional features relating to discharging means }
B65F 2003/0266	...	{ comprising at least one telescopic arm }
B65F 2003/0269	...	{ capable of moving along the side of the vehicle }
B65F 2003/0273	...	{ capable of rotating around a vertical axis }
B65F 2003/0276	...	{ capable of moving towards or away from the vehicle }
B65F 2003/0279	...	{ the discharging means mounted at the front of the vehicle }
B65F 2003/0283	....	{ between the cab and the collection compartment }
B65F 2003/0286	..	{ Means mounted on the vehicle for opening the lid or cover of the receptacle }
B65F 2003/0289	...	{ the opening means being mounted on the discharging means }
B65F 2003/0293	..	{ Means mounted on the vehicle for supporting the refuse receptacle in the tipping position }
B65F 2003/0296	...	{ the supporting means mounted on the discharging means }
B65F 3/04	..	Linkages, pivoted arms, or pivoted carriers for raising and subsequently tipping receptacles
B65F 3/041	...	{ Pivoted arms or pivoted carriers }
B65F 3/043	....	{ with additional means for keeping the receptacle substantially vertical during raising }
B65F 3/045	.....	{ Four-bar linkages }
B65F 3/046	....	{ with additional means for assisting the tipping of the receptacle after or during raising }
B65F 3/048	...	{ Linkages ( <a href="#">B65F 3/041</a> takes precedence)}
B65F 3/06	...	Arrangement and disposition of fluid actuators
B65F 3/08	..	Platform elevators or hoists with guides or runways for raising or tipping receptacles {( <a href="#">pivotal guides or runways B65F 3/041</a> )}
B65F 3/10	...	Arrangement and disposition of fluid actuators
B65F 3/12	..	Conjoint motion of lids, flaps, and shutters on vehicle and on receptacle; Operation of closures on vehicle conjointly with tipping of receptacle
B65F 3/14	.	with devices for charging, distributing or compressing refuse in the interior of the tank of a refuse vehicle ( <a href="#">B65F 3/02</a> takes precedence)
B65F 3/143	..	{ Means facilitating the separation of the charging, distributing or compressing devices from the tank of refuse vehicles }
B65F 2003/146	..	{ Sensors, e.g. pressure sensors }
B65F 3/16	..	with conveyer wheels ( <a href="#">with screw conveyers B65F 3/22</a> )
B65F 3/18	..	with endless conveyers, e.g. elevators
B65F 3/20	..	with charging pistons, plates, or the like ( <a href="#">for discharging B65F 3/28</a> )

B65F 3/201	...	{ the charging pistons, plates or the like moving rectilinearly }
B65F 3/202	...	{ with radially shiftable charging plates or the like mounted on a rotary drum }
B65F 3/203	...	{ with charging teeth, cutters or the like mounted on an axle or a drum <a href="#">B65F 3/202</a> , <a href="#">B65F 3/205</a> , <a href="#">B65F 3/206</a> take precedence }
B65F 3/205	...	{ with two or more movable and co-operating plates or the like for charging refuse from the loading hopper to the interior of a refuse vehicle }
B65F 3/206	...	{ with charging plates or the like rotating around a vertical axis }
B65F 3/207	...	{ guided by tracks, channels, slots or the like provided on the vehicle }
B65F 3/208	...	{ the charging pistons, plates or the like oscillating about a horizontal axis }
B65F 3/22	..	with screw conveyers, rotary tanks
B65F 3/225	...	{ Tanks rotating about a transversal axis for compressing the garbage by gravity }
B65F 3/24	.	with devices for unloading the tank of a refuse vehicle
B65F 3/26	..	by tipping the tank
B65F 3/28	..	by a lengthwise movement of a wall, e.g. a plate, a piston, or the like ( <a href="#">for charging B65F 3/20</a> )
<b>B65F 5/00</b>		<b>Gathering or removal of refuse otherwise than by receptacles or vehicles</b> ( <a href="#">storage silos, charging and discharging thereof B65G</a> )
B65F 5/005	.	{ <a href="#">by pneumatic means, e.g. by suction</a> ( <a href="#">conveying materials in bulk pneumatically in general B65G 53/04</a> ) }
<b>B65F 7/00</b>		<b>Cleaning or disinfecting devices combined with refuse receptacles or refuse vehicles</b> ( <a href="#">such devices per se A61L</a> , <a href="#">B08B</a> )
B65F 7/005	.	{ <a href="#">Devices, mounted on refuse collecting vehicles, for cleaning or disinfecting refuse receptacles</a> }
<b>B65F 9/00</b>		<b>Transferring of refuse between vehicles or containers with intermediate storage or pressing</b> ( <a href="#">presses for baling per se B30B 9/30</a> )
<b>B65F 2210/00</b>		<b>Equipment of refuse receptacles</b>
B65F 2210/102	.	Absorbing means
B65F 2210/1023	..	for liquids
B65F 2210/1026	..	for smelling substances
B65F 2210/104	.	Ashtrays
B65F 2210/108	.	Authorization means
B65F 2210/1085	..	Coins or tokens
B65F 2210/112	.	Coding means to aid in recycling

B65F 2210/1121	..	Apertures
B65F 2210/1123	..	Bar-codes
B65F 2210/1125	..	Colors
B65F 2210/1126	..	Symbols
B65F 2210/1128	..	Text
B65F 2210/116	.	Cooling means
B65F 2210/12	.	Crushing means
B65F 2210/124	.	Counting means
B65F 2210/126	.	Cutting means
B65F 2210/128	.	Data transmitting means
B65F 2210/129	.	Deodorizing means
B65F 2210/13	.	Double walls
B65F 2210/132	.	Draining means
B65F 2210/135	.	Flower boxes
B65F 2210/136	.	Dustpan
B65F 2210/137	.	Fans
B65F 2210/138	.	Identification means
B65F 2210/139	.	Illuminating means
B65F 2210/14	.	Incinerating means
B65F 2210/144	.	Level detecting means
B65F 2210/1443	..	Electrical
B65F 2210/1446	..	Mechanical
B65F 2210/148	.	Locking means
B65F 2210/15	.	Marking means
B65F 2210/152	.	Material detecting means
B65F 2210/1522	..	for glass
B65F 2210/1525	..	for metal
B65F 2210/1527	..	for plastics
B65F 2210/156	.	Mousetraps

B65F 2210/16	. Music playing devices
B65F 2210/162	. Pressing means
B65F 2210/164	. Printers
B65F 2210/165	. Remote controls
B65F 2210/167	. Sealing means
B65F 2210/1675	.. by twisting, e.g. of a flexible tube
B65F 2210/168	. Sensing means
B65F 2210/169	. Shredding means
B65F 2210/17	. Smoke detecting means
B65F 2210/172	. Solar cells
B65F 2210/176	. Sorting means
B65F 2210/178	. Steps
B65F 2210/179	. Suction means, e.g. for forcing a bag inside the receptacle
B65F 2210/1795	.. for sucking off dust particles during insertion of refuse in the receptacle
B65F 2210/18	. Suspending means
B65F 2210/181	. Ventilating means, e.g. holes
B65F 2210/1815	.. for assisting the removal of a liner
B65F 2210/182	. Volume determining means
B65F 2210/183	. Volume reducing means, e.g. inserts
B65F 2210/184	. Weighing means
B65F 2210/188	. Vacuum drawing means
B65F 2210/196	. Tape dispensers
B65F 2210/20	. Temperature sensing means
<b>B65F 2220/00</b>	<b>Properties of refuse receptacles</b>
B65F 2220/101	. assembled from a plurality of panels
B65F 2220/102	. assembled from a blank

B65F 2220/104 . Bomb resistant

B65F 2220/106 . Collapsible

B65F 2220/1063 . . foldable

B65F 2220/1066 . . telescopic

B65F 2220/108 . connectable

B65F 2220/112 . floatable

B65F 2220/116 . inflatable

B65F 2220/12 . nestable

B65F 2220/122 . Poster resistant surface

B65F 2220/124 . stackable

B65F 2220/128 . transparent

#### **B65F 2230/00 Shapes of refuse receptacles**

B65F 2230/104 . Amphora

B65F 2230/108 . Animal

B65F 2230/112 . Bottle

B65F 2230/116 . Can

B65F 2230/12 . Fence

B65F 2230/124 . Golf ball

B65F 2230/126 . Hexagonal

B65F 2230/127 . House

B65F 2230/128 . Human

B65F 2230/132 . Mushroom

B65F 2230/134 . Oval

B65F 2230/135 . Potted plant

B65F 2230/136 . Pyramide



- B65F 2230/14 . Robot
- B65F 2230/144 . Seat
- B65F 2230/148 . Sleeve
- B65F 2230/15 . Sleeve having a disconnectable bottom
- B65F 2230/152 . Triangular
- B65F 2230/156 . Wave-like

**B65F 2240/00**      **Types of refuse receptacles**

- B65F 2240/104 . Ashes
- B65F 2240/108 . Batteries
- B65F 2240/112 . Bottles
- B65F 2240/1123 . . Glass
- B65F 2240/1126 . . Plastics
- B65F 2240/116 . Broken cutters
- B65F 2240/118 . Building waste
- B65F 2240/12 . Cans
- B65F 2240/121 . Carrions
- B65F 2240/122 . CD's, DVD's
- B65F 2240/124 . Christmas trees
- B65F 2240/128 . Clothing
- B65F 2240/132 . Diapers
- B65F 2240/136 . Dog dirt
- B65F 2240/137 . Drilling dust
- B65F 2240/138 . Garden debris
- B65F 2240/14 . Gum
- B65F 2240/142 . Grease

B65F 2240/143	. Ink cartridges
B65F 2240/144	. Leather
B65F 2240/145	. Medicine
B65F 2240/146	. Nails
B65F 2240/148	. Neon tubes
B65F 2240/152	. Oil
B65F 2240/156	. Paper
B65F 2240/1562	.. confidential
B65F 2240/1564	.. Carton
B65F 2240/1566	.. handkerchiefs
B65F 2240/1568	.. Towels
B65F 2240/16	. Pizza boxes
B65F 2240/162	. Pressurized containers
B65F 2240/164	. Sanitary towels
B65F 2240/166	. Staples
B65F 2240/168	. Telephone cards
B65F 2240/172	. Vomit
<b>B65F 2250/00</b>	<b>Materials of refuse receptacles</b>
B65F 2250/105	. Biodegradable
B65F 2250/106	. Carton
B65F 2250/107	. Glass
B65F 2250/108	. Paper
B65F 2250/11	. Metal
B65F 2250/111	.. Aluminum
B65F 2250/112	.. Steel
B65F 2250/114	. Plastics
B65F 2250/1143	.. Polyethylene

- [B65F 2250/1146](#) . . Polypropylene
- [B65F 2250/116](#) . Recycled material
- [B65F 2250/12](#) . Rubber
- [B65F 2250/128](#) . Wood