

**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 ( <a href="#">conveyer construction B65G</a> ; <a href="#">Loaders separate from vehicles B66F</a> ; <a href="#">fluid power control systems in general 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 {(pivotal guides or runways <a href="#">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 (with screw conveyers <a href="#">B65F 3/22</a> )
B65F 3/18	..	with endless conveyers, e.g. elevators
B65F 3/20	..	with charging pistons, plates, or the like (for discharging <a href="#">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 (for charging <a href="#">B65F 3/20</a> )
<b>B65F 5/00</b>	<b>Gathering or removal of refuse otherwise than by receptacles or vehicles (storage silos, charging and discharging thereof <a href="#">B65G</a>)</b>
B65F 5/005	. {by pneumatic means, e.g. by suction (conveying materials in bulk pneumatically in general <a href="#">B65G 53/04</a> )}
<b>B65F 7/00</b>	<b>Cleaning or disinfecting devices combined with refuse receptacles or refuse vehicles (such devices per se <a href="#">A61L</a>, <a href="#">B08B</a>)</b>
B65F 7/005	. {Devices, mounted on refuse collecting vehicles, for cleaning or disinfecting refuse receptacles}
<b>B65F 9/00</b>	<b>Transferring of refuse between vehicles or containers with intermediate storage or pressing (presses for baling per se <a href="#">B30B 9/30</a>)</b>
<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