

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 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 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 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 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 3/005 . { Hand-operated refuse vehicles }

- B65F 3/02 . with means for discharging refuse receptacles thereinto ([conveyer construction B65G](#); [Loaders separate from vehicles B66F](#); fluid power control systems in general [F15B](#))
- 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 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 ([B65F 3/041](#) 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 B65F 3/041](#)))
- 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 ([B65F 3/02](#) takes precedence)
- B65F 3/143 . . { Means facilitating the separation of the charging, distributing or compressing devices from the tank of refuse vehicles }
- B65F 3/16 . . with conveyer wheels ([with screw conveyers B65F 3/22](#))
- B65F 3/18 . . with endless conveyers, e.g. elevators
- B65F 3/20 . . with charging pistons, plates, or the like ([for discharging B65F 3/28](#))
- 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 [B65F 3/202](#), [B65F 3/205](#), [B65F 3/206](#) 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 B65F 3/20](#))
- B65F 5/00** **Gathering or removal of refuse otherwise than by receptacles or vehicles** ([storage silos, charging and discharging thereof B65G](#))
- B65F 5/005 . { [by pneumatic means, e.g. by suction](#) ([conveying materials in bulk pneumatically in general B65G 53/04](#)) }
- B65F 7/00** **Cleaning or disinfecting devices combined with refuse receptacles or refuse vehicles** ([such devices per se A61L, B08B](#))
- B65F 7/005 . { [Devices, mounted on refuse collecting vehicles, for cleaning or disinfecting refuse receptacles](#) }
- B65F 9/00** **Transferring of refuse between vehicles or containers with intermediate storage or pressing** ([presses for baling per se B30B 9/30](#))
- B65F 2001/00** **Refuse receptacles; { Accessories therefor }** ([containers not specially adapted for refuse, features of refuse receptacles of general interest B65D](#))
- B65F 2001/0033 . { [specially adapted for segregated refuse collecting, e.g. receptacles with several compartments; Combination of receptacles](#) ([B65F 1/0093 takes precedence](#)) }
- B65F 2001/008 . . . Means for automatically selecting the receptacle in which refuse should be placed
- B65F 2001/0086 . . . Means for holding receptacles together
- B65F 2001/04 . with removable inserts
- B65F 2001/061 . . . the flexible inserts being used shopping bags
- B65F 2001/064 . . . having a plurality of flexible inserts, e.g. on a roll
- B65F 2001/14 . Other constructional features; { [Accessories](#) } ([holders or carriers for hand articles A45F 5/00; fastening devices E05C](#))
- 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 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 2003/00** **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 2003/001 . { [for segregated refuse collecting, e.g. vehicles with several compartments](#) }
- B65F 2003/003 . . . Footboards

- B65F 2003/006 . Constructional features relating to the tank of the refuse vehicle
- B65F 2003/008 .. interchangeable
- B65F 2003/02 . with means for discharging refuse receptacles thereinto ([conveyer construction B65G](#); [Loaders separate from vehicles B66F](#); [fluid power control systems in general F15B](#))
- 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 2003/14 . with devices for charging, distributing or compressing refuse in the interior of the tank of a refuse vehicle ([B65F 3/02 takes precedence](#))
- B65F 2003/146 .. Sensors, e.g. pressure sensors
- B65F 2210/00 Equipment of refuse receptacles**
- B65F 2210/102 . Absorbing means
- B65F 2210/1023 .. for liquids

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| 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 |

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| 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 |
| B65F 2220/00 | | Properties of refuse receptacles |

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

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| 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 |
| B65F 2250/00 | Materials of refuse receptacles |
| 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 |