## CPC - COOPERATIVE PATENT CLASSIFICATION

### B PERFORMING OPERATIONS; TRANSPORTING

#### (NOTES omitted)

### TRANSPORTING

#### B65 CONVEYING; PACKING; STORING; HANDLING THIN OR FILAMENTARY MATERIAL

#### 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 50/36))

**WARNING**

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

<table>
<thead>
<tr>
<th>1/00</th>
<th>Refuse receptacles; {Accessories therefor}</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/006</td>
<td>(containers not specially adapted for refuse, features of refuse receptacles of general interest B65D)</td>
</tr>
<tr>
<td>1/0013</td>
<td>{Flexible refuse receptables, e.g. bags, sacks}</td>
</tr>
<tr>
<td>1/002</td>
<td>{with means for opening or closing of the receptacle}</td>
</tr>
<tr>
<td>1/0026</td>
<td>{with odor controlling substances}</td>
</tr>
<tr>
<td>1/0033</td>
<td>{specially adapted for segregated refuse collecting, e.g. receptacles with several compartments; Combination of receptacles (B65F 1/0093 takes precedence)}</td>
</tr>
<tr>
<td>1/004</td>
<td>{the receptacles being divided in compartments by partitions}</td>
</tr>
<tr>
<td>1/0046</td>
<td>{the partitions being movable, e.g. for varying the volume of the compartments}</td>
</tr>
<tr>
<td>1/0053</td>
<td>{Combination of several receptacles}</td>
</tr>
<tr>
<td>1/006</td>
<td>{Rigid receptacles stored in an enclosure or forming part of it}</td>
</tr>
<tr>
<td>1/0066</td>
<td>{Rigid receptacles fixed on racks or posts}</td>
</tr>
<tr>
<td>1/0073</td>
<td>{Flexible receptacles fixed on a frame or in an enclosure (sack holders per se B65B 7/12)}</td>
</tr>
<tr>
<td>2001/008</td>
<td>{Means for automatically selecting the receptacle in which refuse should be placed}</td>
</tr>
<tr>
<td>2001/0086</td>
<td>{Means for holding receptacles together}</td>
</tr>
<tr>
<td>1/0093</td>
<td>{specially adapted for collecting refuse from arrangements in buildings}</td>
</tr>
<tr>
<td>1/02</td>
<td>{without removable inserts}</td>
</tr>
<tr>
<td>1/04</td>
<td>{with removable inserts}</td>
</tr>
<tr>
<td>1/06</td>
<td>{with flexible inserts, e.g. bags or sacks (B65F 1/0073 takes precedence)}</td>
</tr>
<tr>
<td>2001/061</td>
<td>{the flexible inserts being used shopping bags}</td>
</tr>
<tr>
<td>1/062</td>
<td>{having means for storing or dispensing spare bags}</td>
</tr>
<tr>
<td>1/065</td>
<td>{with means aiding the insertion of the flexible insert}</td>
</tr>
<tr>
<td>1/067</td>
<td>{with a plurality of flexible inserts}</td>
</tr>
</tbody>
</table>

| 1/068 | {with means aiding the removal of the flexible insert} |
| 1/08 | {with rigid inserts} |
| 1/085 | {with a plurality of rigid inserts} |
| 1/10 | {with refuse filling means, e.g. air-locks} |
| 1/105 | {the filling means being pneumatic, e.g. using suction} |
| 1/12 | {with devices facilitating emptying} |
| 1/122 | {Features allowing the receptacle to be lifted and subsequently tipped by associated means on a vehicle} |
| 1/125 | {Features allowing the receptacle to be lifted and emptied by its bottom} |
| 1/127 | {by suction} |
| 1/14 | {Other constructional features; {Accessories} (holders or carriers for hand articles A45F 5/00; fastening devices E05C)} |
| 1/1405 | {Compressing means incorporated in, or specially adapted for, refuse receptacles (presses in general B30B)} |
| 1/141 | {Supports, racks, stands, posts or the like for holding refuse receptacles (B65F 1/0066 takes precedence)} |
| 1/1415 | {for flexible receptables, e.g. bags, sacks} |
| 1/1421 | {having means for operating lids or covers (pedal or hand-lever operated B65D)} |
| 1/1426 | {Housings, cabinets or enclosures for refuse receptacles (B65F 1/006, B65F 1/1452 take precedence)} |
| 1/1431 | {having a waste disposal chute integrally connected to a work top or the like, the refuse receptacle remaining static} |
| 1/1436 | {having a waste receptacle withdrawn upon opening of the enclosure} |
| 1/1442 | {the receptacle being rotated about a vertical axis} |
| 1/1447 | {located underground} |
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 B03F 7/110)

3/00

3/001 . . . (for segregated refuse collecting, e.g. vehicles with several compartments)

3/003 . . . (Footboards)

3/005 . . . (Hand-operated refuse vehicles)

3/006 . . . (Constructional features relating to the tank of the refuse vehicle)

3/008 . . . (interchangeable)

3/02 . . . with means for discharging refuse receptacles thereinto (conveyor construction B65G; loaders separate from vehicles B66F; fluid power control systems in general F15B)

3/0203 . . . (with crane-like mechanisms)

3/0206 . . . (while the receptacles remain in place or are still attached to their supporting means)

3/0209 . . . (using suction)

3/0213 . . . (Means for facilitating the separation of discharging means from collecting vehicles)

3/0216 . . . (the discharging means comprising a device for determining the volume of the content of refuse receptacles)

3/022 . . . (the discharging means comprising a device for determining the weight of the content of refuse receptacles)

3/0223 . . . (the discharging means comprising elements for holding the receptacle)

3/0226 . . . (having means for adapting to different sized receptacles)

3/023 . . . (Gripper arms for embracing the receptacle)

3/0233 . . . (for embracing two or more receptacles)

3/0236 . . . (Suction or vacuum heads)

3/024 . . . (Means for locking the rim)

3/0243 . . . (Means for locking the side, e.g. via spigots or trunnion pins)

3/0246 . . . (Means for locking the front, e.g. via a handle)

3/025 . . . (Constructional features relating to actuating means for lifting or tipping containers)

3/0253 . . . (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)

3/0256 . . . (Means for vibrating or shaking the containers facilitating emptying)

3/0259 . . . (Means for automatically varying the speed of operation)

3/0263 . . . (Constructional features relating to discharging means)

3/0266 . . . (comprising at least one telescopic arm)

3/0269 . . . (capable of moving along the side of the vehicle)

3/0273 . . . (capable of rotating around a vertical axis)

3/0276 . . . (capable of moving towards or away from the vehicle)

3/0279 . . . (the discharging means mounted at the front of the vehicle)

3/0283 . . . (between the cab and the collection compartment)

3/0286 . . . (Means mounted on the vehicle for opening the lid or cover of the receptacle)

3/0289 . . . (the opening means being mounted on the discharging means)

3/0293 . . . (Means mounted on the vehicle for supporting the refuse receptacle in the tipping position)

3/0296 . . . (the supporting means mounted on the discharging means)

3/04 . . . Linkages, pivoted arms, or pivoted carriers for raising and subsequently tipping receptacles

3/041 . . . (Pivoted arms or pivoted carriers)

3/043 . . . (with additional means for keeping the receptacle substantially vertical during raising)

3/045 . . . (Four-bar linkages)

3/046 . . . (with additional means for assisting the tipping of the receptacle after or during raising)

3/048 . . . (Linkages (B65F 3/041 takes precedence))

3/06 . . . (Arrangement and disposition of fluid actuators)

3/08 . . . (Platform elevators or hoists with guides or runways for raising or tipping receptacles (pivotal guides or runways B65G 3/041))

3/10 . . . (Arrangement and disposition of fluid actuators)
Conjoint motion of lids, flaps, and shutters on vehicle and on receptacle; Operation of closures on vehicle conjointly with tipping of receptacle

with devices for charging, distributing or compressing refuse in the interior of the tank of a refuse vehicle (B65F 3/202 takes precedence)

[Means facilitating the separation of the charging, distributing or compressing devices from the tank of refuse vehicles]

Sensors, e.g. pressure sensors

with conveyor wheels (with screw conveyors B65F 3/22)

with endless conveyors, e.g. elevators

with charging pistons, plates, or the like (for discharging B65F 3/28)

the charging pistons, plates or the like moving rectilinearly

with radially shiftable charging plates or the like mounted on a rotary drum

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)

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

with charging plates or the like rotating around a vertical axis

guided by tracks, channels, slots or the like provided on the vehicle

the charging pistons, plates or the like oscillating about a horizontal axis

with screw conveyors, rotary tanks

[Tanks rotating about a transversal axis for compressing the garbage by gravity]

with devices for unloading the tank of a refuse vehicle

by tipping the tank

by a lengthwise movement of a wall, e.g. a plate, a piston, or the like (for charging B65F 3/20)

Gathering or removal of refuse otherwise than by receptacles or vehicles (storage silos, charging and discharging thereof B65G)

[by pneumatic means, e.g. by suction (conveying materials in bulk pneumatically in general B65G 53/04)]

Cleaning or disinfecting devices combined with refuse receptacles or refuse vehicles (such devices per se A61L, B08B)

[Devices, mounted on refuse collecting vehicles, for cleaning or disinfecting refuse receptacles]

Transferring of refuse between vehicles or containers with intermediate storage or pressing (presses for baling per se B30B 9/30)

Equipment of refuse receptacles

Absorbing means

for liquids

for smelling substances

Ashtrays

Authorization means

Coins or tokens

Coding means to aid in recycling

Apertures

Bar-codes

Colors

Symbols

Text

Cooling means

Crushing means

Counting means

Cutting means

Data transmitting means

Deodorizing means

Double walls

Draining means

Flower boxes

Dustpan

Fans

Identification means

Illuminating means

Incinerating means

Level detecting means

Electrical

Mechanical

Locking means

Marking means

Material detecting means

for glass

for metal

for plastics

Mousetraps

Music playing devices

Pressing means

Printers

Remote controls

Sealing means

by twisting, e.g. of a flexible tube

Sensing means

Shredding means

Smoke detecting means

Solar cells

Sorting means

Steps

Suction means, e.g. for forcing a bag inside the receptacle

for sucking off dust particles during insertion of refuse in the receptacle

Suspending means

Ventilating means, e.g. holes

for assisting the removal of a liner

Volume determining means

Volume reducing means, e.g. inserts

Weighing means

Vacuum drawing means

Tape dispensers

Temperature sensing means

Properties of refuse receptacles

assembled from a plurality of panels

assembled from a blank

Bomb resistant

Collapsible

foldable
### 2220/1066
- telescopic

### 2220/108
- connectable

### 2220/112
- floatable

### 2220/116
- inflatable

### 2220/12
- nestable

### 2220/122
- Poster resistant surface

### 2220/124
- stackable

### 2220/128
- transparent

### 2230/00
#### Shapes of refuse receptacles
- Amphora
- Animal
- Bottle
- Can
- Fence
- Golf ball
- Hexagonal
- House
- Mushroom
- Oval
- Potted plant
- Pyramid
- Robot
- Seat
- Sleeve
- Sleeve having a disconnectable bottom
- Triangular
- Wave-like

### 2240/00
#### Types of refuse collected
- Ashes
- Batteries
- Bottles
- Glass
- Plastics
- Broken cutters
- Building waste
- Cans
- Carriages
- CD's, DVD's
- Christmas trees
- Clothing
- Diapers
- Dog dirt
- Drilling dust
- Garden debris
- Gum
- Grease
- Ink cartridges
- Leather
- Medicine
- Nails
- Neon tubes
- Oil
- Paper
- Confidential
- Carton
- Handkerchiefs
- Towels
- Pizza boxes
- Pressurized containers

### 2250/00
#### Materials of refuse receptacles
- Biodegradable
- Carton
- Glass
- Paper
- Metal
- Aluminum
- Steel
- Plastics
- Polyethylene
- Polypropylene
- Recycled material
- Rubber
- Wood