

# CPC COOPERATIVE PATENT CLASSIFICATION

## E03F SEWERS; CESSPOOLS

<b>1/00</b>	<b>Methods, systems, or installations for draining-off sewage or storm water</b>	5/0411	. . . {Devices for temporarily blocking inflow into a gully}
1/001	. {into a body of water}	2005/0412	. . {with means for adjusting their position with respect to the surrounding surface}
1/002	. {with disposal into the ground, e.g. via dry wells}	2005/0413	. . . {for height adjustment}
1/003	. . {via underground elongated vaulted elements}	2005/0414	. . . {for inclination adjustment}
1/005	. . {via box-shaped elements}	2005/0415	. . . {for horizontal position adjustment}
1/006	. {Pneumatic sewage disposal systems; accessories specially adapted therefore}	2005/0416	. . {with an odour seal}
1/007	. . {for public or main systems}	2005/0417	. . . {in the form of a valve}
1/008	. {Temporary fluid connections for emptying mobile sewage holding tanks, e.g. of trailers, boats}	2005/0418	. . . {in the form of a bell siphon}
<b>3/00</b>	<b>Sewer pipe-line systems</b>	5/042	. . Arrangements of means against overflow of water, backing-up from the drain
3/02	. Arrangement of sewer pipe-lines or pipe-line systems	5/046	. . adapted to be used with kerbs ( <a href="#">E03F 5/06 takes precedence</a> {draining of roads <a href="#">E01F</a> })
3/04	. Pipes or fittings specially adapted to sewers (manufacture of concrete tubes <a href="#">B28</a> ; pipes or pipe fittings in general <a href="#">F16L</a> )	5/06	. . Gully gratings
3/043	. . {Partitioned to allow more than one medium to flow through}	2005/061	. . . {hinged to the body of the gully}
3/046	. . {Open sewage channels}	2005/063	. . . {with slidable or rotatable locking elements}
3/06	. Methods of, or installations for, laying sewer pipes (making pipes in situ <a href="#">F16L 1/038</a> {laying conduits in association with the digging of a trench <a href="#">E02F 5/10</a> ; laying pipes in general <a href="#">F16L 1/00</a> })	2005/065	. . . {with elastic locking elements}
2003/065	. . {Refurbishing of sewer pipes, e.g. by coating, lining}	2005/066	. . . {with means for protecting against vandalism}
<b>5/00</b>	<b>Sewerage structures</b>	2005/068	. . . {with means for enhancing water flow}
5/02	. Manhole shafts or other inspection chambers (in general <a href="#">E02D 29/12</a> ; snow-filling openings; accessories (covers or frames for manholes or the like <a href="#">E02D 29/14</a> )	5/08	. Ventilation of sewers
5/021	. . {Connection of sewer pipes to manhole shaft}	5/10	. Collecting-tanks; Equalising-tanks for regulating the run-off; Laying-up basins {(sewage settling installations <a href="#">85C3E</a> , <a href="#">85C6A</a> ; sand traps <a href="#">85C6A2</a> ; emptying sewage settling installations <a href="#">85C6E</a> ; settling installations in general <a href="#">B01D 21/00</a> )}
5/022	. . {Partitioned to allow more than one medium to flow through}	5/101	. . {Dedicated additional structures, interposed or parallel to the sewer system}
5/024	. . {made of plastic material}	5/102	. . {using already existing parts of the sewer system for runoff-regulation}
5/025	. . {provided with a liner}	5/103	. . {Naturals or landscape retention bodies, e.g. ponds}
5/027	. . {The bottom made of prefabricated segments}	5/105	. . {Accessories, e.g. flow regulators or cleaning devices}
2005/028	. . {Sealing joints between manhole segments}	5/106	. . . {Passive flow control devices, i.e. not moving during flow regulation}
5/04	. Gullies {inlets, road sinks, floor drains} with or without odour seals or sediment traps	5/107	. . . {Active flow control devices, i.e. moving during flow regulation}
5/0401	. . {Gullies for use in roads or pavements}	5/108	. . . {Cleaning devices providing a flushing surge}
5/0402	. . . {provided with flushing means for cleaning or emptying}	5/12	. Emergency outlets
5/0403	. . . {with a sediment trap}	5/125	. . {providing screening of overflowing water}
5/0404	. . . {with a permanent or temporary filtering device; Filtering devices specially adapted therefor}	5/14	. Devices for separating liquid or solid substances from sewage, e.g. sand or sludge traps, rakes or grates (for use in sewage purification plants or both in sewage purification plants or in sewer systems <a href="#">B01D</a> , <a href="#">C02F</a> {gullies with sediment traps <a href="#">E03F 5/04</a> })
5/0405	. . . {with an odour seal}	5/16	. . Devices for separating oil, water or grease from sewage in drains leading to the main sewer
5/0406	. . . . {the odour seal being easily accessible for cleaning}	5/18	. Tanks for disinfecting, neutralising, or cooling sewage (arrangements in tanks as to the biological or chemical aspect <a href="#">C02F</a> )
5/0407	. . {Floor drains for indoor use}	5/20	. Siphon pipes or inverted siphons (for connections of baths, basins, or the like <a href="#">E03C 1/12</a> {siphons in dams <a href="#">E02B 7/18</a> })
5/0408	. . . {specially adapted for showers}		
5/0409	. . . {Devices for preventing seepage around the floor drain}		
5/041	. . {Accessories therefor}		

## E03F

- 5/22 . Adaptations of pumping plants for lifting sewage (wheeled apparatus for emptying sewers or cesspools [E03F 7/10](#); pumps, pumping plants, *per se* [F04](#))
- 5/24 . Installations for neutralising explosions in sewers {(in tanks [B65D 90/38](#); security devices against the effect of explosions for manhole covers [E02D 29/14](#))}
- 5/26 . Installations for stirring-up sewage {(disintegrating garbage to be evacuated with sewage [B02C 18/0084](#); devices on water-closet bowls [E03D](#))}
- 7/00 Other installations or implements for operating sewer systems, e.g. for preventing or indicating stoppage; Emptying cesspools**
  - 7/02 . Shut-off devices (in general [F16K](#))
  - 7/04 . . Valves for preventing return flow {(in gullies, drains or the like [E03F 5/042](#))}
  - 7/06 . Devices for restraining rats or other animals
  - 7/08 . Hand implements for emptying sewers or cesspools
  - 7/10 . Wheeled apparatus for emptying sewers or cesspools
  - 7/103 . . {with a tank featuring one or more partition walls}
  - 7/106 . . {Accessories, e.g. hose support}
  - 7/12 . Installations enabling inspection personnel to drive along sewer canals
- 9/00 Arrangements or fixed installations {methods or devices} for cleaning {or clearing} sewer pipes, e.g. by flushing (sediment traps, rakes, screens, or the like, arranged in sewer lines [E03F 5/14](#); cleaning pipes in general, devices for cleaning pipes [B08B 9/02](#); {gullies provided with flushing means for cleaning or emptying [E03F 5/0402](#); devices to remove obstructions in waste-pipes or sinks [E03C 1/30](#))}**
  - 9/002 . {Cleaning sewer pipes by mechanical means (combined with flushing [E03F 9/00](#))}
  - 9/005 . . {Apparatus for simultaneously pushing and rotating a cleaning device carried by the leading end of a cable or an assembly of rods}
  - 9/007 . {Devices providing a flushing surge}
- 11/00 Cesspools (emptying cesspools [E03F 7/00](#); features relating to treatment of sewage [C02F](#))**
- 2201/00 Details, devices or methods not otherwise provided for**
  - 2201/10 . Dividing the first rain flush out of the stormwater flow
  - 2201/20 . Measuring flow in sewer systems
  - 2201/30 . Devices providing a sequential discharge in sewer systems
  - 2201/40 . Means for indicating blockage in sewer systems