CPC  COOPERATIVE PATENT CLASSIFICATION

E  FIXED CONSTRUCTIONS

BUILDING

E03  WATER SUPPLY; SEWERAGE

E03F  SEWERS; CESSPOOLS

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.

1/00  Methods, systems, or installations for draining-off sewage or storm water

1/001  .  .  [into a body of water]

1/002  .  .  [with disposal into the ground, e.g. via dry wells]

1/003  .  .  {via underground elongated vaulted elements}

1/005  .  .  {via box-shaped elements}

1/006  .  .  {Pneumatic sewage disposal systems; accessories specially adapted therefore}

1/007  .  .  {for public or main systems}

1/008  .  .  {Temporary fluid connections for emptying mobile sewage holding tanks, e.g. of trailers, boats}

3/00  Sewer pipe-line systems

3/02  .  .  Arrangement of sewer pipe-lines or pipe-line systems

3/04  .  .  Pipes or fittings specially adapted to sewers

(finishes of concrete tubes B28: pipes or pipe fittings in general F16L)

3/043  .  .  {Partitioned to allow more than one medium to flow through}

3/046  .  .  {Open sewage channels}

3/06  .  .  Methods of, or installations for, laying sewer pipes (making pipes in situ F16L 1/038 ; laying conduits in association with the digging of a trench E02F 5/10; laying pipes in general F16L 1/00)

2003/065  .  .  {Refurbishing of sewer pipes, e.g. by coating, lining}

5/00  Sewerage structures

5/02  .  .  Manhole shafts or other inspection chambers (in general E02D 29/12); Snow-filling openings; accessories (covers or frames for manholes or the like E02D 29/14)

5/021  .  .  {Connection of sewer pipes to manhole shaft}

5/022  .  .  {Partitioned to allow more than one medium to flow through}

5/024  .  .  {made of plastic material}

5/025  .  .  {provided with a liner}

5/027  .  .  {The bottom made of prefabricated segments}

2005/028  .  .  {Sealing joints between manhole segments}

5/04  .  .  Gullies {inlets, road sinks, floor drains} with or without odour seals or sediment traps

5/0401  .  .  {Gullies for use in roads or pavements}

5/0402  .  .  {provided with flushing means for cleaning or emptying}

5/0403  .  .  {with a sediment trap}

5/0404  .  .  {with a permanent or temporary filtering device; Filtering devices specially adapted therefore}

5/0405  .  .  {with an odour seal}

5/0406  .  .  {the odour seal being easily accessible for cleaning}

5/0407  .  .  {Floor drains for indoor use}

5/0408  .  .  {specially adapted for showers}

5/0409  .  .  {Devices for preventing seepage around the floor drain}

5/041  .  .  {Accessories therefor}

5/0411  .  .  {Devices for temporarily blocking inflow into a gully}

2005/0412  .  .  {with means for adjusting their position with respect to the surrounding surface}

2005/0413  .  .  {for height adjustment}

2005/0414  .  .  {for inclination adjustment}

2005/0415  .  .  {for horizontal position adjustment}

2005/0416  .  .  {with an odour seal}

2005/0417  .  .  {in the form of a valve}

2005/0418  .  .  {in the form of a bell siphon}

5/042  .  .  Arrangements of means against overflow of water, backing-up from the drain

5/046  .  .  adapted to be used with kerbs (E03F 5/06 takes precedence [draining of roads E01F])

5/06  .  .  Gully gratings

2005/061  .  .  [hinged to the body of the gully]

2005/063  .  .  [with slidable or rotatable locking elements]

2005/065  .  .  [with elastic locking elements]

2005/066  .  .  [with means for protecting against vandalism]

2005/068  .  .  [with means for enhancing water flow]

5/08  .  .  Ventilation of sewers

5/10  .  .  Collecting-tanks; Equalising-tanks for regulating the run-off; Laying-up basins

5/101  .  .  [Dedicated additional structures, interposed or parallel to the sewer system]

5/102  .  .  [using already existing parts of the sewer system for runoff-regulation]

5/103  .  .  [Naturals or landscape retention bodies, e.g. ponds]

5/105  .  .  [Accessories, e.g. flow regulators or cleaning devices]

5/106  .  .  [Passive flow control devices, i.e. not moving during flow regulation]

5/107  .  .  [Active flow control devices, i.e. moving during flow regulation]
. . . {Cleaning devices providing a flushing surge}
5/12 . Emergency outlets
5/125 . . {providing screening of overflowing water}
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 B01D, C02F ( ; gullies with sediment traps E03F 5/04))
5/16 . . Devices for separating oil, water or grease from sewage in drains leading to the main sewer
5/18 . Tanks for disinfecting, neutralising, or cooling sewage (arrangements in tanks as to the biological or chemical aspect C02F)
5/20 . Siphon pipes or inverted siphons (for connections of baths, basins, or the like E03C 1/12 ( ; siphons in dams E02B 7/18))
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 5/042; 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)