

CPC**COOPERATIVE PATENT CLASSIFICATION****E03B**

INSTALLATIONS OR METHODS FOR OBTAINING, COLLECTING, OR DISTRIBUTING WATER (drilling wells, obtaining fluids in general from wells [E21B](#); pipe-line systems in general [F17D](#))

E03B 1/00

Methods or layout of installations for water supply([E03B 3/00](#), [E03B 9/00](#) take precedence)

- [E03B 1/02](#) . for public or like main supply {for industrial use}
- [E03B 1/04](#) . for domestic or like local supply
- [E03B 1/041](#) .. { Greywater supply systems}
- [E03B 1/042](#) ... { Details thereof, e.g. valves or pumps}
- [E03B 1/044](#) { Switch valves in waste pipes}
- [E03B 2001/045](#) ... {using household water }
- [E03B 2001/047](#) ... {using rainwater }
- [E03B 1/048](#) .. { Systems for collecting not used fresh water}

E03B 3/00

Methods or installations for obtaining or collecting drinking water or tap water (treatment of water [C02F](#))

- [E03B 3/02](#) . from rain-water
- [E03B 3/03](#) .. Special vessels for collecting or storing rain-water for use in the household, e.g. water-butts {(containers for storage, in general, [B65D](#))}
- [E03B 3/04](#) . from surface water {Barrages [E02B 7/00](#)}
- [E03B 3/06](#) . from underground {consolidating foundation soil by draining, e.g. by lowering the water level [E02D 3/00](#); subsoil filtering [E21B 43/02](#)}
- [E03B 3/08](#) .. Obtaining and confining water by means of wells (applicable to a combination of water and other liquids or to other liquids only [E21B 43/00](#))
- [E03B 3/10](#) ... by means of pit wells
- [E03B 3/11](#) in combination with tubes, e.g. perforated, extending horizontally, or upwardly inclined, exterior to the pits
- [E03B 3/12](#) ... by means of vertical pipe wells
- [E03B 3/14](#) ... by means of horizontal or oblique wells
- [E03B 3/15](#) ... Keeping wells in good condition, e.g. by cleaning, repairing, regenerating; Maintaining or enlarging the capacity of wells or water-bearing layers (with artificial enrichment [E03B 3/32](#)) {(cleaning, in general [B08B](#))}
- [E03B 3/16](#) ... Component parts of wells
- [E03B 3/18](#) Well filters (filters in general [B01D 24/00](#) to [B01D 35/00](#))
- [E03B 3/20](#) of elements of special shape
- [E03B 3/22](#) Selection of specified materials {not used, documents in [E03B 3/20](#)}
- [E03B 3/24](#) formed of loose materials, e.g. gravel
- [E03B 3/26](#) with packed filtering material
- [E03B 3/28](#) . from humid air (condensing of vapours in general [B01D 5/00](#); dehumidification of air for air-conditioning [F24F 3/14](#))

E03B 3/30	<ul style="list-style-type: none"> from snow or ice
E03B 3/32	<ul style="list-style-type: none"> with artificial enrichment, e.g. by adding water from a pond or a river {consolidating foundation soil by draining e.g. by lowering the water level E02D 3/00}
E03B 3/34	<ul style="list-style-type: none"> of underground water
E03B 3/36	<ul style="list-style-type: none"> of surface water
E03B 3/38	<ul style="list-style-type: none"> Curbs for springs
E03B 3/40	<ul style="list-style-type: none"> Other devices for confining, e.g. trenches, drainage
E03B 5/00	Use of pumping plants or installations; Layouts thereof (pumps; pumping plants or installations per se F04)
E03B 5/02	<ul style="list-style-type: none"> arranged in buildings
E03B 5/025	<ul style="list-style-type: none"> {with surface tanks}
E03B 5/04	<ul style="list-style-type: none"> arranged in wells
E03B 5/045	<ul style="list-style-type: none"> {with surface tanks}
E03B 5/06	<ul style="list-style-type: none"> Special equipment, {e.g. well seals and connections for well casings or the like}
E03B 7/00	Water main or service pipe systems (pipes or tubes in general F16L)
E03B 7/003	<ul style="list-style-type: none"> { Arrangement for testing of watertightness of water supply conduits}
E03B 7/006	<ul style="list-style-type: none"> { Arrangements or methods for cleaning or refurbishing water conduits}
E03B 7/02	<ul style="list-style-type: none"> Public or like main pipe systems
E03B 7/04	<ul style="list-style-type: none"> Domestic or like local pipe systems (domestic plumbing E03C 1/02)
E03B 7/045	<ul style="list-style-type: none"> { diverting initially cold water in warm water supply}
E03B 7/07	<ul style="list-style-type: none"> Arrangement of devices, e.g. filters, flow controls, measuring devices, siphons, valves, in the pipe systems (devices per se, see the relevant classes for these devices)
E03B 7/071	<ul style="list-style-type: none"> { Arrangement of safety devices in domestic pipe systems, e.g. devices for automatic shut-off}
E03B 7/072	<ul style="list-style-type: none"> { Arrangement of flowmeters}
E03B 7/074	<ul style="list-style-type: none"> { Arrangement of water treatment devices}
E03B 7/075	<ul style="list-style-type: none"> { Arrangement of devices for control of pressure or flow rate}
E03B 7/077	<ul style="list-style-type: none"> { Arrangement of backflow preventing devices}
E03B 7/078	<ul style="list-style-type: none"> { Combined units with different devices; Arrangement of different devices with respect to each other}
E03B 7/08	<ul style="list-style-type: none"> Arrangement of draining devices, { e.g. manual shut-off valves} (draining devices in general F16K, F16L)
E03B 7/09	<ul style="list-style-type: none"> Component parts or accessories (tools for cleaning pipes B08B 9/02; devices for preventing contamination of drinking water pipes for domestic use E03C 1/10; devices for preventing damage in case of bursts of pipes F16L; heating of pipes in general F16L 53/00)
E03B 7/095	<ul style="list-style-type: none"> { Component holders or housings, e.g. boundary boxes}
E03B 7/10	<ul style="list-style-type: none"> Devices preventing bursting of pipes by freezing (devices preventing bursting of pipes in general F16L 55/00)
E03B 7/12	<ul style="list-style-type: none"> by preventing freezing
E03B 7/14	<ul style="list-style-type: none"> Devices for thawing frozen pipes

E03B 9/00	Methods or installations for drawing-off water (domestic water-drawing devices E03C ; taps or valves per se F16K)
E03B 9/02	. Hydrants; Arrangements of valves therein; Keys for hydrants
E03B 2009/022	.. {Hydrants with a tubular valve seat }
E03B 9/025	.. { Taps specially designed for outdoor use, e.g. wall hydrants, sill cocks}
E03B 9/027	... { with features preventing frost damage}
E03B 9/04	.. Column hydrants
E03B 9/06	... Covers
E03B 9/08	.. Underground hydrants
E03B 9/10	... Protective plates or covers
E03B 9/12	... Stand-pipes
E03B 9/14	.. Draining devices for hydrants
E03B 9/16	.. Devices for retaining foreign matter, e.g. sand
E03B 9/18	.. Cleaning tools for hydrants
E03B 9/20	.. Pillar fountains or like apparatus for dispensing drinking water
E03B 11/00	Arrangements or adaptations of tanks for water supply (water-butts E03B 3/03 ; storage aspects B65D , B65G , F17B , F17C ; foundations E02D 27/38 ; construction or assembling of bulk storage containers employing civil engineering techniques E04H 7/00 ; tower aspects E04H 12/00)
E03B 2011/005	. {Tanks with two or more separate compartments divided by e.g. a flexible membrane }
E03B 11/02	. for domestic or like local water supply
E03B 11/04	.. without air regulators {i.e. without air inlet or outlet valves; water tanks provided with flexible walls}
E03B 11/06	.. with air regulators {air receivers for water conduits F16L 55/04 ; pressure control devices for fluids G05D }
E03B 11/08	... Air regulators
E03B 11/10	. for public or like main water supply
E03B 11/12	.. of high-level tanks
E03B 11/14	.. of underground tanks
E03B 11/16	.. Adaptations of devices for putting pumping plants in and out of operation, e.g. automatic control devices {not used, documents in F04 }