

1) Family number: 952919 (US3579670 A)

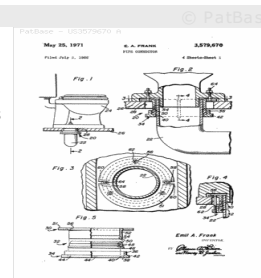
PIPE CONNECTOR

Abstract: Source: US3579670 A ABSTRACT OF THE DISCLOSURE

A device for connecting pipes together, connecting a pipe to a water closet or supporting a closet bend pipe which utilizes a collar squeezing a resilient gasket against the pipe to provide a water-tight, mechanical seal with-out the problems usually associated with the normal hot lead type of sealant.

Probable Assignee: RONALD L FRANK

Earliest Publication Date: 19710525



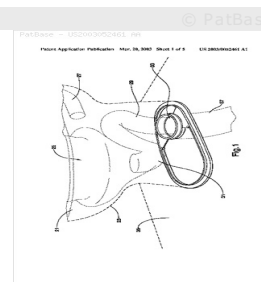
2) Family number: 28342854 (US2003052461 AA)

WATER-CLOSET GASKET

Abstract: Source: US2003052461 AA A one-piece water-closet gasket (21) comprises an outer gasket (39) for the stand (41) and an inner gasket (43) for sealing the outlet of the water-closet drain-duct (29) to the sewage inlet duct (37). The latter gasket comprises un tube (51) having a lower span (53) for plugging into the sewage inlet and is provided with means (55, 57) elastically bearing and sealing against the inner wall surface of the sewage duct.

Probable Assignee: PEG SA

Earliest Publication Date: 20030320



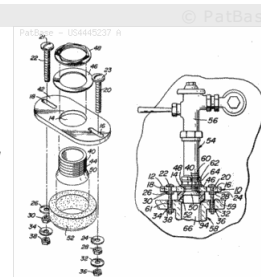
3) Family number: 4332808 (US4445237 A)

CLOSE COUPLED WATER-CLOSET COMBINATION AND ADAPTER

Abstract: Source: US4445237 A This invention relates to an adapter for coupling a toilet bowl, such as residential toilet bowl, to a flush device that is generally utilized in a commercial close coupled water-closet combination. The adapter includes a substrate having a hole therethrough, fasteners on opposite sides of the hole for attaching the substrate to a toilet bowl, a hollow fitting extending through the hole and attached to the substrate and extending both above and below the substrate and a rigidly flexible gasket frictionally attached to the fitting below the bottom surface of the substrate. The fitting has threads on the outer surface thereof for at least that portion of the fitting that extends above the substrate. The fitting has a flared circumference on that portion of its surface below the substrate. The flexible gasket is attached to the flared circumference below the substrate to form an extension of the fitting.

Probable Assignee: PARTNERSHIP OF ROBERT M PAUL

Earliest Publication Date: 19840501



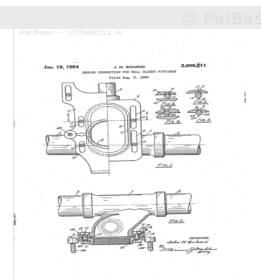
4) Family number: 22114351 (US2666211 A)

SEALED CONNECTION FOR WALL CLOSET FITTINGS

Abstract: Source: US2666211 A (Claim 1) *Nhat I claim-is: *In a Water. closet carrier, a hollow fitting having sv.

Probable Assignee: J A ZURN MFG CO

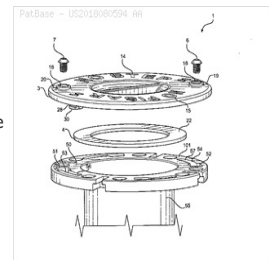
Earliest Publication Date: 19540119



Abstract: Source: US2018080594 AA A cap for water closet flange which fits over the water closet flange is disclosed. The cap for water closet flange contains a round structure, the round structure contains a top surface section, the top surface section containing: first threaded screw opening, second threaded screw opening, a first screw, a second screw a side section and an underside, with the underside comprising a first projection having a first head, a second projection having a second head, a continuation of said fast threaded screw opening; and a continuation of the second threaded screw opening. The underside of the cap for water closet flange is aligned with a water closet flange. The first head of the first projection and the second head of the second projection are inserted into head slots of the water closet flange and rotated. The first screw and the second screw are screwed into position, locking the cap for the water closet flange into position.

Probable Assignee: A AND B INNOVATIONS LLC

Earliest Publication Date: 20180322



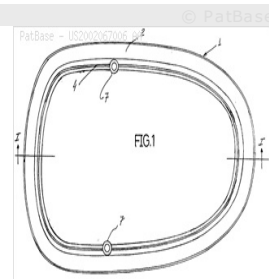
6) Family number: 29715461 (US2002067006 AA)

SEALING GASKETS FOR WATER CLOSETS

Abstract: Source: US2002067006 AA A gasket for sealing between a water closet and the floor or other supporting structure. In cross section it includes a flat seat for the base of the closet, an outer flange for sealing against the outer edge of the base and an inner sealing rib formed for hinge-like deflection by and toward the base as the latter is seated. The gasket is adapted to conform to various perimetrical shapes of bases, and may include an integral gasket and sealing section for annularly and sealingly engaging the drain joint of the water closet and the surface of the floor or other supporting structure.

Probable Assignee: PEB SA

Earliest Publication Date: 20020412



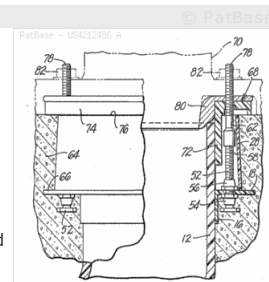
7) Family number: 7810667 (US4212486 A)

WATER CLOSET PROTECTOR STABILIZER

Abstract: Source: US4212486 A A water closet protector stabilizer of the type used to permanently affix plastic soil pipe into concrete slabs and to provide protection against the infusion of wet concrete into the pipe during the pouring of the slab can be constructed utilizing a collar having a cylindrical section for mating with and attaching to the soil pipe and a flange attached to this collar which has a series of slots near the outer edge of the flange. A cover of a generally frustum shape formed by a continuous wall has a series of fingers on the bottom most portion thereof. The cover is reversibly attached to the collar by inserting the fingers into the slots on the flange. The cover has a top detachably mounted to the walls of the cover by a series of breakable bridgepoints. The top of the cover is composed of a flat disk having a series of sections mounted to each other by breakable bridgepoints. These sections can individually be removed to accommodate different sizes of mounting components which will be attached to the soil pipe after the concrete slab is poured.

Probable Assignee: LSP PRODUCTS GROUP INC

Earliest Publication Date: 19800715



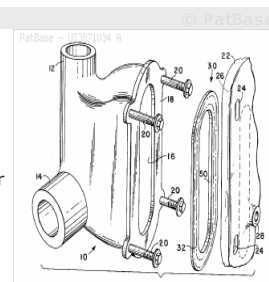
8) Family number: 1128000 (US3871034 A)

FACE PLATE GASKET

Abstract: Source: US3871034 A A face plate gasket for sealing the vertically extending joint between a plumbing fitting and an adjustable face plate on the fitting; the face plate receives a nipple, which connects to the water closet, and the face plate provides support to the wall hung closet. The gasket is made of a pliable, resilient semi-rigid material such as neoprene and has a peripheral flange in the vertical plane with multiple endless beads. It is supported in position during assembly by an integral lip extending into the conduit opening of the fitting, the lip having a bead on its free end of larger transverse dimension than the opening of the fitting, the lip having a lesser transverse dimension than the fitting conduit opening.

Probable Assignee: JAY R SMITH MFG CO

Earliest Publication Date: 19750318



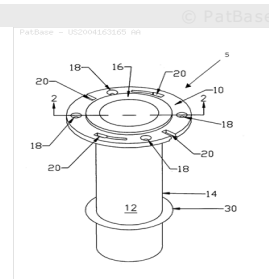
9) Family number: 31871757 (US2004163165 AA)

FLEXIBLE SLEEVE FOR CONNECTION TO A PLUMBING FIXTURE

Abstract: Source: US2004163165 AA Disclosed herein is an improved water closet flange for connection to a plumbing fixture. The improved flange comprises an anchoring element or outer flange, connected to a flexible conduit tube or flexible sleeve, in which is attached an O-ring type of gasket. The improved flange connects a toilet bowl outlet to a waste drainpipe outlet without any flow reduction in between both connecting elements. The improved flange allows the connection between a toilet bowl discharge and a well placed vertical waste drainpipe. The improved flange also allows the connection between a toilet bowl discharge and a waste drainpipe outlet that is offset, horizontally oriented, or diagonally placed. The improved flange may further comprise an O-ring type of gasket disposed on the exterior of the flexible sleeve to provide a tight seal between the outer surface of the flexible sleeve and the inner surface of a waste drainpipe. The flexible sleeve can be implemented in a variety of sizes or diameters, including, for example, 3 inch (7.5 cm) and 4 inch (10 cm) diameters. An alternative embodiment of the flexible sleeve can fit either 3 inch or 4 inch drainpipes with the help of an appropriate O-ring seal of the appropriate dimensions.

Probable Assignee: COFLEX DE CV SA

Earliest Publication Date: 20030918



JOINT SEALING FLUSH PIPE FOR LAVATORY PAN - HAS CONCENTRIC BARREL SHAPED AND TAPERING ELASTOMERIC LIPS

Abstract: Source: FR2300955 A1 The flexible joint is made from an elastomeric material and has an annular rim (1) with a sealing lip (3) extending in the axial direction. This lip has a barrel shaped longitudinal section, curved outwards to seal and grip inside the water closet pan entry (4). The rim (1) fits flush against the end (7). Another sealing lip (8) is moulded inside the curved lip, concentric with it and extending in the same axial direction. This lip is angled inwards to form a cone and is used to seal round the outside of the flush pipe (9). Misalignment over a range of sizes can be accomodated.

Probable Assignee: RAGOT CLAUDE

Earliest Publication Date: 19760910

