

Title (en)
Free-head water drainage

Title (de)
Freispiegel-Wasserablauf

Title (fr)
Evacuation d'eau à écoulement libre

Publication
EP 1013843 B1 20030820 (DE)

Application
EP 99125678 A 19991222

Priority
• DE 29823303 U 19981224
• DE 19904699 A 19990205

Abstract (en)
[origin: EP1013843A1] The open water-drain has a drainage opening (13) in a flat surface and to which a drain-pipe (2) is attached. The drainage opening is formed by a flat annular flange (5) fixed to the surface and possessing a cylindrical attachment (9) attached by means of a curve (8), on its inner diameter. The attachment's inner diameter matches that of the attached drain-pipe. The drain pipe has a wider end (3) towards the drainage opening, and surrounding the cylindrical attachment of the annular flange. A fixture plate (1) is set into the surface.

IPC 1-7
E04D 13/04

IPC 8 full level
E04D 13/04 (2006.01)

CPC (source: EP)
E04D 13/0409 (2013.01); **E04D 13/0431** (2013.01); **E04D 2013/0427** (2013.01); **E04D 2013/0436** (2013.01); **E04D 2013/044** (2013.01)

Cited by
BE1019738A5; WO2016198234A1; WO2004018795A1; WO2011145052A1; EP2098657A3; CN104612337A; EP3103937A1; CN107646059A; EP3505703A1; AU2016274373B2

Designated contracting state (EPC)
AT CH DE DK LI NL

DOCDB simple family (publication)
EP 1013843 A1 20000628; EP 1013843 B1 20030820; AT E247753 T1 20030915; DK 1013843 T3 20031201

DOCDB simple family (application)
EP 99125678 A 19991222; AT 99125678 T 19991222; DK 99125678 T 19991222