Title (en)
Emergency outlet

Title (de)
Notablaufvorrichtung

Title (fr)
Déversoir de secours

Publication
EP 1036894 A3 20010103 (DE)

Application
EP 00105250 A 20000314

Priority
DE 19912012 A 19990317

Abstract (en)
[origin: EP1036894A2] A vessel (8) is placed over the water outlet (6) and its side wall (9) contains at least one inlet opening (15) with a height less than that of the side wall. A cover (10) for the top of the vessel helps create an airtight-sealed space inside the vessel when the inlet openings are blocked by water backing up. The flow of water out through the overflow (7) and down the drainpipe (2) creates a vacuum in this space, resulting in water being drawn in through the inlet openings more quickly.

IPC 1-7 (main, further and additional classification)
E04D 13/04

IPC 8 full level (invention and additional information)
E04D 13/04 (2006.01)

CPC (invention and additional information)
E04D 13/0431 (2013.01); **E04D 13/0409** (2013.01); E04D 2013/0422 (2013.01); E04D 2013/0427 (2013.01)

Citation (search report)
- [Y] FR 675691 A 19300213
- [Y] US 5615526 A 19970401 - PALMER DALE W [US], et al
- [A] GB 2285460 A 19950712 - HARMER HOLDINGS LTD [GB]
- [E] EP 1001107 A1 20000517 - HARZMANN OPTIMA MARKETING UND [DE]
- [E] DE 29905122 U1 20000810 - VAHLBRAUK WOLFGANG [DE]

Cited by
EP1544371A1; EP1598501A1; DE102007042527A1; EP2034104A2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

EPO simple patent family
DE 29907721 U1 19990722; AT 266132 T 20040515; DE 19912012 A1 20001019; DE 19912012 C2 20030206; DK 1036894 T3 20040607; EP 1036894 A2 20000920; EP 1036894 A3 20010103; EP 1036894 B1 20040506

INPADOC legal status

2018-04-30 [PG25 DK] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : DK
- Free text : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
- Effective date : 20170331

2018-04-30 [PGFP DE] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : DE
- Payment date : 20180323
- Year of fee payment : 19

2018-02-28 [PG25 GB] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : GB
- Free text : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
- Effective date : 20170314

2018-01-31 [PG25 AT] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : AT
- Free text : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
- Effective date : 20170314

2017-11-29 [GBPC] GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE
- Effective date : 20170314

2017-11-15 [REG AT MM01] LAPSE BECAUSE OF NOT PAYING ANNUAL FEES
- Document : AT 266132 T
- Effective date : 20170314

2017-10-31 [PG25 FI] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : FI
- Free text : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
- Effective date : 20170314

2017-10-23 [REG DK EBP] EP PATENT LAPSED
- Effective date : 20170331

2016-05-31 [PGFP FI] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : FI
- Payment date : 20160318
- Year of fee payment : 17

2016-05-31 [PGFP GB] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : GB
- Payment date : 20160322
- Year of fee payment : 17

2016-05-31 [PGFP AT] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : AT
- Payment date : 20160318
- Year of fee payment : 17

2016-04-29 [PGFP DK] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : DK
- Payment date : 20160322
- Year of fee payment : 17

2015-08-09 [REG DE R082] CHANGE OF REPRESENTATIVE
- Document : DE 50006297
- Representative's name : GRAMM, LINS & PARTNER PATENT- UND RECHTSANWAEL, DE

2005-04-27 [26N] NO OPPOSITION FILED
- Effective date : 20050208

2005-04-22 [EN] FR: TRANSLATION NOT FILED

2004-07-07 [GBT] GB: TRANSLATION OF EP PATENT FILED (GB SECTION 77(6)(A)/1977)
- Effective date : 20040616

2004-06-09 [REF] CORRESPONDS TO:
- Document : DE 50006297 P 20040609

2004-06-07 [REG DK T3] TRANSLATION OF EP PATENT

2004-05-12 [REG GB FG4D] EUROPEAN PATENT GRANTED
- Free text : NOT ENGLISH

2004-05-06 [AK] DESIGNATED CONTRACTING STATES:
- Kind Code of Ref Document : B1
- Designated State(s) : AT DE DK FI FR GB

2004-05-06 [PG25 FR] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : FR
- Free text : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT
- Effective date : 20040506

2002-11-27 [17Q] FIRST EXAMINATION REPORT
- Effective date : 20021015

2001-09-19 [AKX] PAYMENT OF DESIGNATION FEES
- Free text : AT DE DK FI FR GB

2001-03-21 [17P] REQUEST FOR EXAMINATION FILED
- Effective date : 20010117

2001-01-03 [AK] DESIGNATED CONTRACTING STATES:
- Kind Code of Ref Document : A3
- Designated State(s) : AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

2001-01-03 [AX] REQUEST FOR EXTENSION OF THE EUROPEAN PATENT TO:
- Free text : AL;LT;LV;MK;RO;SI

2000-09-20 [AK] DESIGNATED CONTRACTING STATES:
- Kind Code of Ref Document : A2
- Designated State(s) : AT DE DK FI FR GB

2000-09-20 [AX] REQUEST FOR EXTENSION OF THE EUROPEAN PATENT TO:
- Free text : AL;LT;LV;MK;RO;SI