

Title (en)

SOLIDS SEPARATOR USED IN LIQUID FLOW STREAMS, TYPICALLY SEWER OVERFLOWS

Title (de)

IN FLÜSSIGKEITSSTRÖMEN, IN DER REGEL ABWASSERKANALÜBERLÄUFEN, VERWENDETER FESTSTOFFABSCHIEDER

Title (fr)

SÉPARATEUR DE SOLIDES UTILISÉ DANS DES FLUX D'ÉCOULEMENT LIQUIDES, TYPIQUEMENT DES DÉVERSOIRS D'ÉGOUTS

Publication

EP 2078120 A4 20120104 (EN)

Application

EP 07815453 A 20071031

Priority

- AU 2007001649 W 20071031
- AU 2006906091 A 20061101

Abstract (en)

[origin: WO2008052261A1] A solids separator for use in a sewer overflow chamber having an inlet, flow chamber and main outlet, whereby liquid, having solids entrained therein, flows from the inlet through the flow chamber to the outlet, the solids separator comprising: an overflow weir over which liquid flows during overflow into a separation chamber; a filter in the separation chamber that filters solids and allows liquid to pass through to an overflow outlet; and a return system containing a one-way valve whereby the return system flushes filtered solids back to the flow chamber and wherein the return system has a holding means for holding a sufficient amount of liquid to flush filtered solids back into the flow chamber.

IPC 8 full level

E03F 5/14 (2006.01); **E03F 5/12** (2006.01)

CPC (source: EP)

B01D 21/0012 (2013.01); **E03F 5/12** (2013.01); **E03F 5/14** (2013.01); **E03F 5/125** (2013.01)

Citation (search report)

- [XYI] DE 102005008743 A1 20050922 - WATER SOLUTIONS AUS PTY LTD HE [AU]
- [Y] WO 2006013634 A1 20060209 - TOKYO PREFECTURE [JP], et al
- [A] GB 2397538 A 20040728 - G & K VALVE SERVICES LTD [GB]
- [A] DE 9108904 U1 19910912
- See references of WO 2008052261A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

WO 2008052261 A1 20080508; AU 2007314148 A1 20080508; EP 2078120 A1 20090715; EP 2078120 A4 20120104

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