

Title (en)  
SAND FILTERING DEVICE

Title (de)  
SANDFILTERVORRICHTUNG

Title (fr)  
DISPOSITIF DE FILTRATION AU SABLE

Publication  
**EP 2091625 A2 20090826 (EN)**

Application  
**EP 07821700 A 20071023**

Priority  
• EP 2007061336 W 20071023  
• IT MI20062045 A 20061024

Abstract (en)  
[origin: WO2008049833A2] A sand filtering device comprising a single layer filtering bed, or simply a filter, which allows to obtain perfectly clean water and a high operative working life at high filtering speeds. Advantageously, an appropriate, experimentally obtained correlation between the height of the filtering layer, the grain size of the used sand and the filtering speed allows a dimensioning of the filtering bed such as to ensure optimal filtering conditions. The device of the invention further allows to obtain a very effective filter back washing operation which restores the efficiency of the filter.

IPC 8 full level  
**B01D 24/14** (2006.01); **B01D 24/42** (2006.01); **B01D 24/46** (2006.01)

CPC (source: EP)  
**B01D 24/14** (2013.01); **B01D 24/42** (2013.01); **B01D 24/4626** (2013.01); **B01D 24/4631** (2013.01)

Citation (search report)  
See references of WO 2008049833A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2008049833 A2 20080502; WO 2008049833 A3 20080612**; EP 2091625 A2 20090826; IT MI20062045 A1 20080425; RU 2009119481 A 20101127; RU 2440170 C2 20120120; UA 95987 C2 20110926

DOCDB simple family (application)  
**EP 2007061336 W 20071023**; EP 07821700 A 20071023; IT MI20062045 A 20061024; RU 2009119481 A 20071023; UA A200904818 A 20071023