

Title (en)

Device for collecting and delivering solid particles from flowing water

Title (de)

Vorrichtung zum Sammeln und Abgeben von Feststoffen aus strömendem Wasser

Title (fr)

Dispositif pour recueillir et délivrer des matières solides de l'eau courante

Publication

EP 0484724 B1 19960605 (DE)

Application

EP 91117953 A 19911022

Priority

DE 4035175 A 19901106

Abstract (en)

[origin: EP0484724A2] In order to provide a device for collecting and delivering solid particles which are carried along by flowing water in drains or the like, in the form of a double-grid screen (1) arranged in a frame (4) and having fixed and movable screen bars (2, 3) whose surfaces facing the direction of flow are stepped, the movable screen bars (3) being connected to one another in order to form at least one unit which can be actuated by means of a drive mechanism which gives the movable screen bars (3) a closed motion path essentially in the plane of the screen bars (3), its upward motion component being slightly greater than the step height of the fixed screen bars (2), and the lower end areas, facing the drain bottom (5), of the fixed screen bars (2) having a continuous cover arranged transversely to the flow direction in front of these screen bars (2), which device not only guarantees that solid particles cannot pass the double-grid screen (1) unimpeded in the bottom area and that obstruction or blockage of the double-grid screen (1) by sand and/or solid particles building up in the bottom area can be avoided, but that cleaning in this area is unnecessary or is made possible in a simple manner, the continuous cover is designed as a movable flap. <IMAGE>

IPC 1-7

E02B 8/02; **E03F 5/14**

IPC 8 full level

E02B 8/02 (2006.01); **E03F 5/14** (2006.01)

CPC (source: EP)

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EP 0484724 A2 19920513; **EP 0484724 A3 19920902**; **EP 0484724 B1 19960605**; AT E138995 T1 19960615; DE 4035175 A1 19920507; DE 4035175 C2 19940825; DE 59107889 D1 19960711; DE 9017739 U1 19920227

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