

Title (en)

STEPPED FILTRATION DEVICE FOR MECHANICALLY SEPARATING SOLIDS FROM LIQUIDS

Title (de)

FILTERSTUFENVORRICHTUNG ZUR MASCHINELLEN FESTSTOFFSEPARATION AUS FLÜSSIGKEITEN

Title (fr)

DISPOSITIF DE FILTRATION ETAGE POUR LA SEPARATION MECANIQUE DE SOLIDES CONTENUS DANS DES LIQUIDES

Publication

**EP 0910707 A1 19990428 (DE)**

Application

**EP 98932027 A 19980429**

Priority

- DE 9801184 W 19980429
- DE 19719371 A 19970507

Abstract (en)

[origin: US6245225B1] A staged filter apparatus (1) for mechanically separating solids from liquids flowing in channels, gutters or conduits, which has a multiplicity of stage screen bars (7') connected to form a stationary grating (7), and a multiplicity of stage screen bars (6') connected to form a movable grating (6), the gratings (6, 7) being arranged inclined in the direction of flow inside the flowing liquid starting from a level situated below the surface, and the stage screen bars (6', 7') being constructed in a stepped fashion in the direction facing the incoming flow, and in which the movable grating (6) can be actuated by means of a drive device (8) on a track. The stationary grating (7) being surrounded at least laterally by frame parts (3, 4), is distinguished in that all the drive elements (11, 12, 19; 13) of the movable grating (6) are essentially arranged in the common plane formed by the stationary grating (7) and the movable grating (6) in the zero position.

IPC 1-7

**E02B 5/08**; **E03F 5/14**

IPC 8 full level

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CPC (source: EP US)

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**US 6245225 B1 20010612**; AT E205272 T1 20010915; AU 723368 B2 20000824; AU 8208598 A 19981127; CA 2264593 A1 19981112; CA 2264593 C 20051227; CN 1231012 A 19991006; CZ 296765 B6 20060614; CZ 9900327 A3 20001115; DE 19719371 A1 19981112; DE 59801377 D1 20011011; DK 0910707 T3 20020107; EP 0910707 A1 19990428; EP 0910707 B1 20010905; WO 9850638 A1 19981112

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