

Title (en)
Flow system

Title (de)
Abflusssystem

Title (fr)
Système d'écoulement

Publication
EP 1031667 A3 20021127 (DE)

Application
EP 00100618 A 20000113

Priority
DE 19907583 A 19990222

Abstract (en)
[origin: EP1031667A2] Drainage channel outflow system uses obstructions (8.1,8.2) moving in the flow direction to control, stop off or regulate the flow, one obstruction at least to rest at right angles to the channel (1) so all lie in a common plane (E). Between one obstruction and the channel wall (2) or between two facing obstructions (8.1,8.2) there is a vertical interval (12) and there is an overflow above the top edge of one of the obstructions. There is an additional outflow gap between obstruction and the channel whose section can be controlled by raising the obstruction accordingly. The obstructions come in prefered plate form and linked by joints. The load of the water flow bends the plates (8.1,8.2) in flow direction (X) and thus enlarges the flow interval (12). At reduced pressure and smaller water flow the plates re-set to reduce or even close off the interval (12).

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E03F 7/00; E02B 7/40

IPC 8 full level
E03F 5/10 (2006.01); **E03F 9/00** (2006.01)

CPC (source: EP US)
E03F 5/101 (2013.01 - EP US); **E03F 5/107** (2013.01 - EP US); **E03F 9/00** (2013.01 - EP US)

Citation (search report)
• [X] DE 19537274 A1 19970410 - HAASE OLIS [DE], et al
• [X] DE 2642747 A1 19780330 - HOPPE HARTMUT DIPL ING
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