

Title (en)
PROCESS FOR HYDRAULICALLY BRANCHING AN OPEN STREAM AND CANAL BRANCH WITH HYDRAULIC OPERATION

Title (de)
VERFAHREN ZUM HYDRAULISCHEN VERZWEIGEN EINER OFFENEN STRÖMUNG SOWIE HYDRAULISCH ARBEITENDE KANALVERZWEIGUNG

Title (fr)
PROCEDE D'EMBRANCHEMENT HYDRAULIQUE D'UN COURANT OUVERT ET EMBRANCHEMENT DE CANAUX A FONCTIONNEMENT HYDRAULIQUE

Publication
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Application
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Abstract (en)
[origin: US5567079A] PCT No. PCT/EP93/03195 Sec. 371 Date May 16, 1995 Sec. 102(e) Date May 16, 1995 PCT Filed Nov. 15, 1993 PCT Pub. No. WO94/11580 PCT Pub. Date May 26, 1994 The invention relates to a method and an apparatus for the hydraulic branching of an open stream having at least one straight main stream of a specific momentum and having one or more branch streams. Deflection from the main stream is brought about using the Coanda Effect. The hydraulically working channel, i.e., the main stream channel has an upstream corner in common with the branch stream channel which corner is rounded in the form of an arc of a circle between the upstream channel and the branch channel and which converges toward the corner and extends opposite that wall of the upstream channel leading toward the corner and forms with the corner an outflow gap, such that the momentum of the main stream flow which emerges, creates the Coanda Effect, thereby deflecting the controlled flow of water into the branch channel.

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E03B 7/00 (2006.01); **E02B 3/02** (2006.01); **E02B 5/00** (2006.01); **E02B 13/00** (2006.01)

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US 5567079 A 19961022; AT E140744 T1 19960815; AU 5624394 A 19940608; CN 1103691 A 19950614; DE 4238830 A1 19940519; DE 59303339 D1 19960829; EP 0673456 A1 19950927; EP 0673456 B1 19960724; JP H08508071 A 19960827; MX 9307190 A 19940729; PL 171636 B1 19970530; PL 308758 A1 19950821; TR 27196 A 19941205; WO 9411580 A1 19940526

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