

Title (en)

Device and method for removing material deposits from the reservoir of a hydrotechnical structure

Title (de)

Vorrichtung und Verfahren zur Entnahme von Material-Ablagerungen aus dem Stauraum eines hydrotechnischen Bauwerkes

Title (fr)

Dispositif et procédé de prélèvement de dépôts de matériaux du réservoir d'une construction hydrotechnique

Publication

EP 2520726 B1 20180627 (DE)

Application

EP 12405041 A 20120503

Priority

CH 7822011 A 20110506

Abstract (en)

[origin: EP2520726A1] The system (1) has a cable excavator (7), a screen-like separating device (17) i.e. separating screen, a mixing device (18) and a solid matter pump (22) e.g. hydraulic two cylinder-slurry pump, arranged on a modular pontoon (6). The separating device separates coarse materials. The mixing device through-mixes and homogenizes removed materials. A high pressure transport pipe (21) conveys the removed materials from the pontoon above a water body to a location, which is remote from the pontoon. The pump pumps the removed materials through the pipe by pressurization. An independent claim is also included for a method for removing material deposits from water bodies.

IPC 8 full level

E02B 3/02 (2006.01); **E02F 3/47** (2006.01); **E02F 5/28** (2006.01); **E02F 7/06** (2006.01); **E02F 9/06** (2006.01)

CPC (source: EP)

E02F 3/47 (2013.01); **E02F 5/285** (2013.01); **E02F 7/065** (2013.01); **E02F 9/065** (2013.01)

Cited by

CN109339137A; CN106149782A; CN107938737A; CN110616767A; CN115262681A; CN108149734A; EP3717704B1; EP3717704B2

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Designated extension state (EPC)

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