

Title (en)
METHOD FOR HYDRAULIC SUBSEA DREDGING

Title (de)
VERFAHREN ZUM HYDRAULISCHEN BAGGERN UNTER WASSER

Title (fr)
DRAGAGE HYDRAULIQUE SOUS-MARIN

Publication
EP 1346107 A1 20030924 (EN)

Application
EP 01273367 A 20011221

Priority
• NO 0100509 W 20011221
• NO 20006659 A 20001227

Abstract (en)
[origin: WO02057551A1] Method related to the hydraulic dredging of sediment from the sea bottom, the bottom of water dams or the like, including a first operational step where sediment is sucked or pumped through a hose or pipe (2) to a second level located below the natural water surface utilizing the difference in water pressure between the natural water surface and said second level to provide or enhance the required suction or pump capacity. At said second level sediment is received in a container (3) accessible by mechanical equipment located at or over the natural water surface, from which container at least part of the sediment is removable by per se conventional pumps or conventional lifting methods or by releasing sediment to a lower level. At the lower end of said hose or pipe (2) a suction manifold (15) with two inlets or two sets of inlets (16, 17) is arranged, one inlet or set of inlets (16) being arranged at or close to the lower end of the suction manifold and being adapted to suck in sediment from the bottom together with some water, the other inlet or set of inlets (17) being arranged at a vertical distance from said first inlet or set of inlets (16) and being adapted to suck in water only.

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E02F 3/88

IPC 8 full level
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Citation (search report)
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Citation (examination)
JP S5430652 A 19790307 - TOYO DENKI KOGIYOUSHIYO KK

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