

Title (en)

Drag head for a trailing suction hopper dredger and process for dredging by means of this drag head

Title (de)

Saugkopf für einen geschleppten Laderaumsaugbagger und Verfahren zum Baggern mittels dieses Saugkopfes

Title (fr)

Tête de draguage pour une drague suceuse à trémie entraînée et procédé de draguage utilisant cette tête de draguage.

Publication

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Application

EP 05016382 A 19980717

Priority

- EP 98870161 A 19980717
- BE 9700625 A 19970717

Abstract (en)

[origin: EP0892116A1] This invention concerns a drag head for a trailing suction hopper dredger which essentially consists of a structure connected to a suction pipe, with a visor (2) rotating around an horizontal axis (6), in which a series of teeth (10) are applied for breaking up the sand, which extend perpendicularly with respect to the direction of motion of the drag head, and a series of jet pipes (9) for injecting water under high pressure, extending parallel to said teeth and in front of these teeth, always when considering the direction of motion of the drag head, characterised in that behind above said teeth (10), always considered in the direction of motion of the drag head, at least one second series of jet pipes (12) is provided. <IMAGE>

IPC 8 full level

E02F 3/92 (2006.01); **E02F 5/10** (2006.01)

CPC (source: EP)

E02F 3/9262 (2013.01); **E02F 5/108** (2013.01)

Citation (search report)

- [YA] GB 1312032 A 19730404 - KONINKL MIJ TOT HET UITVOEREN
- [YA] DE 3817213 C1 19890112
- [A] SU 1573101 A1 19900623 - GELPEJ VLADILEN L [SU]
- [A] GB 355005 A 19310820 - JOHN REID
- [A] EP 0668406 A1 19950823 - KRUPP FOERDERTECHNIK GMBH [DE]
- [A] EP 0142881 A1 19850529 - IHC HOLLAND NV [NL]
- [A] EP 0075358 A1 19830330 - IHC HOLLAND NV [NL]
- [A] EP 0548707 A1 19930630 - MUESING ANTON GMBH CO KG [DE]
- [A] US 5631160 A 19970520 - BRUSO BRUCE L [US]
- [A] DE 3810932 A1 19891019 - MUEHLSTAEDTER ALEXANDER [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 191 (M - 402) 7 August 1985 (1985-08-07)

Cited by

CN111395433A; CN107165216A; CN102330443A; CN111395434A; CN103195119A; CN110056031A

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