

Title (en)
Suction dredger provided with an improved dredging tube

Title (de)
Saugbagger mit verbesserter Saugleitungsstruktur

Title (fr)
Drague suceuse avec un système de succion amélioré

Publication
EP 1857598 A1 20071121 (EN)

Application
EP 06114238 A 20060519

Priority
EP 06114238 A 20060519

Abstract (en)
A suction dredger comprises a dredging tube (3) which at one end carries a suction head (4) and which at the other end is connected to the suction dredger hull (1) through a hull pivot (41) with a pivot axis which is generally transverse with respect to said hull, said dredging tube (3) comprising a tube (6,7) and a frame (8) which carries an upper tube part (7) of the tube (6,7) and which is connected to the hull pivot (41) through a first frame pivot (10) the pivot axis of which is transversely oriented with respect to the hull pivot axis of the hull pivot (41), a lower tube part (6) of the tube (6,7) being connected to the frame (8) through a second frame pivot (11) which is opposite the first frame pivot (10) and the pivot axis of which is transversely oriented with respect to the first frame pivot axis, a motor driven suction pump (31) being provided for transporting dredged material through the tube (6,7), said frame (8) having a cross-sectional contour defined by a height dimension and a transverse dimension. The upper tube part (7) over at least part of its length is positioned fully within the cross-sectional contour (38) of the frame (8).

IPC 8 full level
E02F 3/90 (2006.01); **E02F 7/02** (2006.01)

CPC (source: EP)
E02F 3/8841 (2013.01); **E02F 3/885** (2013.01); **E02F 7/023** (2013.01); **E02F 7/10** (2013.01)

Citation (search report)
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• [X] NL 8502544 A 19870416 - STEVIN VOLKER DREDGING
• [XA] GB 657289 A 19510912 - CHANTIERES DE BRETAGNE ANCIENS
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CN103587955A; CN109469139A; WO2012158028A1

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