Title (en)

SUCTION HEAD FOR A DREDGING VESSEL AND METHOD FOR DREDGING USING THIS SUCTION HEAD

Title (de)

SAUGKOPF FÜR EIN BAGGERSCHIFF UND BAGGERVERFAHREN MIT DIESEM SAUGKOPF

Title (fr)

TÊTE D'ASPIRATION POUR UN NAVIRE DE DRAGAGE ET PROCÉDÉ POUR LE DRAGAGE UTILISANT CETTE TÊTE D'ASPIRATION

Publication

EP 2852710 A1 20150401 (EN)

Application

EP 13737383 A 20130517

Priority

- BE 201200348 A 20120521
- IB 2013054034 W 20130517

Abstract (en)

[origin: WO2013175366A1] The invention relates to a suction head (6) for a dredging vessel (1). The suction head comprises a construction (7) provided on the bottom side with a suction opening and having a connection for a suction conduit (3) of the dredging vessel (1) and a visor (81) rotatable around a shaft (9) running transversely of the direction of movement (P) between a lowered and a raised position, wherein a curved wall part (8a) of the visor (81) is slid in substantially watertight manner along a wall part (7c) of the suction head (6). The visor (81) is further provided on the bottom side thereof with a toothed beam (10) with cutting tools (11) for penetrating the bottom, and with an opening (15) in its rear wall (8b) along which surrounding water can flow into the suction head (6) and which can be closed to the surrounding water by means of a closing member (20). Bottom material, and in particular bottom material comprising clay, can be dredged in efficient manner using the suction head (6). The invention also relates to a dredging vessel (1) equipped with the suction head (6) and a method for dredging a bottom particularly comprising clay.

IPC 8 full level

E02F 3/90 (2006.01); **E02F 3/92** (2006.01)

CPC (source: EP)

E02F 3/902 (2013.01); **E02F 3/9262** (2013.01); **E02F 3/9293** (2013.01)

Cited by

WO2013175366A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2013175366 A1 20131128; AU 2013264903 A1 20141127; AU 2013264903 B2 20170504; BE 1020438 A4 20131001; BR 112014029062 A2 20170627; DK 2852710 T3 20240930; EP 2852710 A1 20150401; EP 2852710 B1 20240828; RU 2014151787 A 20160720; SG 11201407495X A 20141230

DOCDB simple family (application)

IB 2013054034 W 20130517; AU 2013264903 A 20130517; BE 201200348 A 20120521; BR 112014029062 A 20130517; DK 13737383 T 20130517; EP 13737383 A 20130517; RU 2014151787 A 20130517; SG 11201407495X A 20130517