

Title (en)
SUCTION HEAD FOR A DREDGING VESSEL AND THE RELATED METHOD

Title (de)
SAUGKOPF FÜR EINE BAGGERSCHIFF UND ENTSPRECHENDES VERFAHREN

Title (fr)
EMBOUT DE DRAGAGE POUR UN ENGIN DE DRAGAGE ET PROCÉDÉ ASSOCIÉ

Publication
EP 2804991 A1 20141126 (EN)

Application
EP 13719602 A 20130116

Priority
• BE 201200035 A 20120116
• IB 2013000490 W 20130116

Abstract (en)
[origin: WO2013108131A1] The invention relates to a suction head for a dredging vessel adapted for movement in a direction of movement. The suction head comprises a construction of side walls and a rear wall running substantially transversely of the direction of movement of the suction head, which construction is connectable to a suction conduit of the dredging vessel and is provided with cutting tools for penetrating into an underwater bottom, wherein the suction head further comprises at least one nozzle for ejecting a liquid jet under pressure, and the at least one nozzle is rotatable around a rotation axis which does not coincide with the axis of the nozzle or of the liquid jet in stationary position of the nozzle, and wherein the at least one nozzle is directed toward the interior of the suction head in order to eject a liquid jet into the interior. Using the suction head an underwater bottom, and particularly an underwater bottom comprising clay, loam and/or other cohesive materials, can be dredged in efficient manner.

IPC 8 full level
E02F 3/92 (2006.01)

CPC (source: EP)
B05B 3/026 (2013.01); **E02F 3/9262** (2013.01); **E02F 3/9268** (2013.01); **E02F 3/9293** (2013.01)

Citation (search report)
See references of WO 2013108131A1

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

DOCDB simple family (publication)
WO 2013108131 A1 20130725; WO 2013108131 A9 20131107; BE 1020372 A5 20130806; EP 2804991 A1 20141126; EP 2804991 B1 20161228

DOCDB simple family (application)
IB 2013000490 W 20130116; BE 201200035 A 20120116; EP 13719602 A 20130116