

Title (en)  
CUTTER UNIT EQUIPPED WITH A PUMP

Title (de)  
SCHNEIDEINHEIT MIT EINER PUMPE

Title (fr)  
UNITÉ DE COUTEAU ÉQUIPÉE D'UNE POMPE

Publication  
**EP 2513382 B1 20191127 (EN)**

Application  
**EP 10837095 A 20101214**

Priority  
• FI 20090474 A 20091214  
• FI 2010000076 W 20101214

Abstract (en)  
[origin: WO2011073500A1] Cutter unit equipped with a pump (4) which cutter unit comprises a rotatable cutting device (1) with the help of which underwater soil can be cut wherein the mass that becomes created during the cutting, such as the mass that becomes created from the soil and water moves inside the cutting device (1) and further to the pump (4) with the help of which pump the mentioned mass being in a fluid form is pumped to a suitable location. A cutting/crushing device (2, 8) is adjusted between the cutting device (1) and the pump (4) which cutting/crushing device comprises counter blades (8) and a rotating, double- ended knife edge (2) installed at the front side of these seen from the flow direction of the mass which knife edge is installed in an eccentric way in relation to its axis of rotation.

IPC 8 full level  
**E02F 3/92** (2006.01)

CPC (source: EP FI)  
**E02F 3/90** (2013.01 - EP); **E02F 3/92** (2013.01 - FI); **E02F 3/9281** (2013.01 - EP); **E02F 5/282** (2013.01 - EP)

Cited by  
CN112211242A

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 2011073500 A1 20110623**; EP 2513382 A1 20121024; EP 2513382 A4 20180221; EP 2513382 B1 20191127; FI 125993 B 20160513; FI 20090474 A0 20091214; FI 20090474 A 20110615; RU 2012129973 A 20140127; RU 2567060 C2 20151027

DOCDB simple family (application)  
**FI 2010000076 W 20101214**; EP 10837095 A 20101214; FI 20090474 A 20091214; RU 2012129973 A 20101214