

Title (en)  
SOIL AERATION DEVICE

Title (de)  
BODENBELÜFTUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF D AÉRATION DU SOL

Publication  
**EP 2285205 A1 20110223 (DE)**

Application  
**EP 09728450 A 20090325**

Priority  

- EP 2009053520 W 20090325
- EP 08153919 A 20080401
- EP 09728450 A 20090325

Abstract (en)  
[origin: EP2106679A1] The self-propelled soil aeration machine, to insert and withdraw a probe (4) into the soil (8), has a return unit (30) for the probe holder (6) to bring it back to the start position. It lies parallel to and at a gap from the plane through a swing axis (14) and the probe holder and probe. The return force is offset at the probe holder so that the lever moving around the swing axis is increased to the maximum probe holder deflection in relation to the start position. The return unit is a spring, integrated into a guide arm linked to the machine frame (2) and the probe holder.

IPC 8 full level  
**A01B 45/02** (2006.01)

CPC (source: EP US)  
**A01B 45/023** (2013.01 - EP US)

Citation (search report)  
See references of WO 2009121773A1

Designated contracting state (EPC)  
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 SE SI SK TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**EP 2106679 A1 20091007; EP 2106679 B1 20150826**; CA 2720425 A1 20091008; DK 2106679 T3 20151123; EP 2285205 A1 20110223; HU E028046 T2 20161128; US 2011042113 A1 20110224; US 8616296 B2 20131231; WO 2009121773 A1 20091008

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**EP 08153919 A 20080401**; CA 2720425 A 20090325; DK 08153919 T 20080401; EP 09728450 A 20090325; EP 2009053520 W 20090325; HU E08153919 A 20080401; US 93607209 A 20090325