

Title (en)  
SOIL AERATION DEVICE

Title (de)  
BODENBELÜFTUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF D AÉRATION DU SOL

Publication  
**EP 2285204 A1 20110223 (DE)**

Application  
**EP 09726891 A 20090324**

Priority  

- EP 2009053464 W 20090324
- EP 08153920 A 20080401
- EP 09726891 A 20090324

Abstract (en)  
[origin: EP2106680A1] The self-propelled soil aeration machine (1) has a reduction gearing (3) in the transmission between a main drive shaft (12) and a crankshaft (14) driving and withdrawing a probe (4) into the soil (44). The gearing can be a constant variable transmission (CVT) or exchangeable paired cogwheels (30,32,34,36) set to a variety of reduction ratios. The gearing assembly is between the gearing input shaft (16) and the drive output shaft (14).

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 2009121758A1

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 2106680 A1 20091007**; CA 2720446 A1 20091008; EP 2285204 A1 20110223; US 2011024140 A1 20110203; US 8561713 B2 20131022; WO 2009121758 A1 20091008

DOCDB simple family (application)  
**EP 08153920 A 20080401**; CA 2720446 A 20090324; EP 09726891 A 20090324; EP 2009053464 W 20090324; US 93565709 A 20090324