

Title (en)  
SELF-PROPELLED CONSTRUCTION MACHINE AND METHOD FOR OPERATING THE SAME

Title (de)  
SELBSTFAHRENDE BAUMASCHINE UND VERFAHREN ZUM BETREIBEN EINER SELBSTFAHRENDEN BAUMASCHINE

Title (fr)  
ENGIN AUTOMOBILE ET PROCEDE DE FONCTIONNEMENT D'UN ENGIN AUTOMOBILE

Publication  
**EP 3029200 B1 20170329 (DE)**

Application  
**EP 15197375 A 20151201**

Priority  
DE 102014017892 A 20141204

Abstract (en)  
[origin: US2016160455A1] A self-propelled construction machine includes a machine frame and an operating drum arranged in a drum housing which is open downwards and is closed on both sides by an edge protector which is adjustable in height. A control assembly determines a reference value for the height of the ground surface relative to the machine frame on which the edge protector rests in a floating position, the height of the edge protector relative to the machine frame and the lowering speed of the edge protector. Furthermore, the control assembly is configured such that the height of the edge protector relative to the machine frame is determined at the point in time at which the lowering speed of the edge protector is less than a specified limit value. Preferred embodiments of the machine furthermore detect the edge protector sinking into the ground, and/or prevent the edge protector from digging into the ground.

IPC 8 full level  
**E01C 23/088** (2006.01)

CPC (source: CN EP US)  
**E01C 21/00** (2013.01 - CN); **E01C 23/088** (2013.01 - CN EP US); **E01C 23/127** (2013.01 - US); **E21C 47/00** (2013.01 - CN);  
**E01C 2301/00** (2013.01 - CN)

Cited by  
DE202017003790U1; US11746481B2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 3029200 A1 20160608; EP 3029200 B1 20170329**; CN 105672104 A 20160615; CN 105672104 B 20180309; CN 205874933 U 20170111;  
DE 102014017892 A1 20160609; DE 102014017892 B4 20190321; JP 2016121525 A 20160707; JP 6623047 B2 20191218;  
US 10626563 B2 20200421; US 2016160455 A1 20160609; US 2018340303 A1 20181129; US 9995009 B2 20180612

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JP 2015233888 A 20151130; US 201514955611 A 20151201; US 201816000068 A 20180605