

Title (en)
Self-propelled construction vehicle

Title (de)
Selbstfahrende Baumaschine

Title (fr)
Véhicule de chantier autopropulsé

Publication
EP 2695994 B1 20150610 (DE)

Application
EP 13003912 A 20130805

Priority
DE 102012015346 A 20120806

Abstract (en)
[origin: EP2695994A1] The machine has an actuator connected to an edge protector (5). The actuator includes a floating setting in which the edge protector comprises a floating mounting, so that height of the edge protector is automatically adjusted. A control unit includes a sensor i.e. ultrasonic sensor, to detect a distance between a reference point on the edge protector and the ground surface. The control unit is designed such that the actuator is actuated to raise the edge protector when increased distance is less than predetermined minimum distance. An independent claim is also included for a method for operating a self-propelled construction machine.

IPC 8 full level
E01C 23/088 (2006.01)

CPC (source: EP US)
E01C 23/088 (2013.01 - EP US); **E01C 23/127** (2013.01 - US); **E21C 25/06** (2013.01 - EP US)

Citation (opposition)
Opponent : Caterpillar Inc.
• US 5116162 A 19920526 - BURHITE ALBERT G [US]
• DE 19620536 A1 19971127 - MAN TAKRAF FOERDERTECHNIK GMBH [DE]
• US 8047741 B2 20111101 - VON SCHOENEBECK WINFRIED [DE], et al
• US 2009108663 A1 20090430 - BERNING CHRISTIAN [DE], et al

Cited by
US11408136B1; DE102020120243A1; EP3945160A1; DE102020120243B4; US11499277B2; US11761156B2

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)
EP 2695994 A1 20140212; EP 2695994 B1 20150610; CN 103572693 A 20140212; CN 103572693 B 20160504; CN 203603011 U 20140521;
DE 102012015346 A1 20140220; US 2014035343 A1 20140206; US 9016798 B2 20150428

DOCDB simple family (application)
EP 13003912 A 20130805; CN 201310339432 A 20130806; CN 201320477100 U 20130806; DE 102012015346 A 20120806;
US 201313788962 A 20130307