

Title (en)
TOOL ATTACHMENTS ON AN AUTO-POWERED MOBILE MACHINE

Title (de)
WERKZEUGANORDNUNGEN AUF EINER SELBSTGETRIEBENEN MOBILEN MASCHINE

Title (fr)
PORTE-OUTILS SUR ENGIN AUTOMOTEUR

Publication
EP 2283187 A4 20150415 (EN)

Application
EP 09755372 A 20090329

Priority

- US 2009038711 W 20090329
- US 7257508 P 20080331
- US 14629909 P 20090121

Abstract (en)
[origin: WO2009146009A1] An auto-powered mobile machine with controls for a riding operator and a system for carrying and making efficient use of a variety of attachable tools. Most of the tools operate in a linear fashion and are most effective when held to one side of the machine with respect to its direction of movement. The machine includes wheels or tracks, a mounting base for attaching a controllable tool and, above the mounting base, a swivel on which sits an operator's seat and controls. An articulating arm is attached above the swivel so the operator may operate in a coordinated way a lower tool which does not swivel and an upper tool which does swivel to accomplish a job more efficiently than it could be accomplished using tools separately mounted one at a time. Wireless radio communication from the controls to the lower tool may allow the swivel to spin any number of times without limitation. A tool mounting base, which may also be an earth moving blade, moves vertically up and down staying plumb rather than pivoting and not remaining plumb. Hydraulic tool position controls respond to a string datum line, a curb, or GPS data. The system is completed by a variety of tool attachments, including a novel fence installer.

IPC 8 full level
E02F 9/16 (2006.01); **E02F 3/43** (2006.01); **E02F 3/84** (2006.01); **E02F 9/20** (2006.01); **E02F 9/26** (2006.01)

CPC (source: EP)
E02F 3/8155 (2013.01); **E02F 3/964** (2013.01); **E02F 3/967** (2013.01); **E02F 9/2037** (2013.01)

Citation (search report)

- [X] US 2006085118 A1 20060420 - BALDWIN GEOFF A [AU]
- [X] US 2002162668 A1 20021107 - CARLSON DAVID S [US], et al
- [A] US 2006230646 A1 20061019 - SCHMIDT STEPHEN T [US], et al
- See references of WO 2009146009A1

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

DOCDB simple family (publication)
WO 2009146009 A1 20091203; AU 2009251644 A1 20091203; CA 2757319 A1 20091203; CN 102037192 A 20110427; EP 2283187 A1 20110216; EP 2283187 A4 20150415

DOCDB simple family (application)
US 2009038711 W 20090329; AU 2009251644 A 20090329; CA 2757319 A 20090329; CN 200980117904 A 20090329; EP 09755372 A 20090329