

Title (en)
MULTI-PURPOSE SELF-PROPELLED WRAPPING MACHINE WITH FLOOR CLEANING DEVICE

Title (de)
MEHRZWECK- SELBSTANTRIEBEINWICKELMASCHINE MIT GERÄT ZUR BODENREINIGUNG

Title (fr)
MACHINE D'EMBOBINAGE A USAGE MULTIPLE COMPRENANT UN APPAREIL POUR NETTOYER LE SOL

Publication
EP 2974642 A1 20160120 (EN)

Application
EP 15176646 A 20150714

Priority
IT PC20140015 A 20140714

Abstract (en)
The invention relates to a self-propelled wrapping machine (10) comprising a frame (11) with a pair of non-steering wheels (12), a lifting system (13) with an upright (16) and a moving trolley (15) to which a spool-holder assembly (14) is attached and at least one steering wheel (18) connected to a support (19) connected to the frame (11) so that it can turn with respect to it about a substantially vertical axis (Z), characterized in that it comprises a cleaning device (100) for cleaning a floor, or a surface on the ground, connected to said frame (11) and/or to said upright (16). According to the invention the self-propelled wrapping machine is also provided with a control device for the steering wheel that allows the machine to be easily driven during the cleaning operations. Driving of the machine during the cleaning operations can be entrusted to an automatic driving system without an operator.

IPC 8 full level
A47L 11/24 (2006.01); **B65B 11/02** (2006.01); **A47L 11/40** (2006.01)

CPC (source: EP)
A47L 11/24 (2013.01); **A47L 11/4055** (2013.01); **A47L 11/4061** (2013.01); **B65B 11/025** (2013.01); **B65B 67/08** (2013.01); **A47L 2201/04** (2013.01)

Citation (applicant)
WO 2013050832 A1 20130411 - ITALDIBIPACK SPA [IT], et al

Citation (search report)
• [A] WO 2012153265 A1 20121115 - ROBOPAC SPA [SM], et al
• [A] US 2004068825 A1 20040415 - FIELDS WILLIAM A [US]
• [A] WO 2005079468 A2 20050901 - CASTLE ROCK IND INC [US], et al
• [A] WO 2013050832 A1 20130411 - ITALDIBIPACK SPA [IT], et al
• [A] US 4095395 A 19780620 - GOLDSTEIN JOSEPH
• [A] WO 2005110852 A1 20051124 - ASPO SOCIETA A RESPONSABILITA [IT], et al
• [A] EP 0230665 A2 19870805 - TENNANT CO [US]

Cited by
IT201700046194A1; IT202100019655A1; IT201900002869A1; CN113474257A; US11952153B2; WO2020174388A1; WO2023002408A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2974642 A1 20160120; EP 2974642 B1 20170426

DOCDB simple family (application)
EP 15176646 A 20150714