

Title (en)
WHEELED SWEEPING UNIT

Title (de)
FAHRBARES KEHRGERÄT

Title (fr)
BALAYEUSE MOBILE

Publication
EP 2278907 B1 20120905 (DE)

Application
EP 09745481 A 20090313

Priority
• EP 2009001839 W 20090313
• DE 102008024439 A 20080514

Abstract (en)
[origin: WO2009138147A1] The invention relates to a wheeled sweeping unit (10) having a housing (12), in which a sweeping roller (20) which is driven by electric motor is mounted rotatably, and having a swept-material container (14) for receiving swept material, wherein two front supporting wheels (41; 44) are mounted adjacent to the housing of the sweeping roller and at least one rear supporting wheel (48; 49) is mounted at a spacing from said front supporting wheels, in each case such that they can be rotated about a rotational axis. In order to develop the sweeping unit in such a way that, if surface unevennesses occur, there is no risk of the sweeping roller (20) being blocked or the sweeping unit tilting, it is proposed according to the invention that the rotational axis (42) of a first front supporting wheel is arranged coaxially with respect to the rotational axis (21) of the sweeping roller and, in relation to the main movement direction of the sweeping unit, offset with respect to the rotational axis of the second front supporting wheel.

IPC 8 full level
A47L 11/33 (2006.01); **A47L 11/22** (2006.01); **A47L 11/24** (2006.01)

CPC (source: EP US)
A47L 11/24 (2013.01 - EP US); **A47L 11/4036** (2013.01 - EP US); **A47L 11/4072** (2013.01 - EP US)

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)
DE 102008024439 A1 20091119; CN 102026573 A 20110420; CN 102026573 B 20150617; EP 2278907 A1 20110202; EP 2278907 B1 20120905; US 2011126367 A1 20110602; US 8621700 B2 20140107; WO 2009138147 A1 20091119; WO 2009138147 A8 20100114

DOCDB simple family (application)
DE 102008024439 A 20080514; CN 200980117199 A 20090313; EP 09745481 A 20090313; EP 2009001839 W 20090313; US 92720910 A 20101108