

Title (en)
FLOOR TREATMENT MACHINE

Title (de)
BODENBEARBEITUNGSMASCHINE

Title (fr)
MACHINE DE TRAITEMENT DE SOL

Publication
EP 4218525 B1 20240807 (EN)

Application
EP 23153298 A 20230125

Priority
GB 202200990 A 20220126

Abstract (en)
[origin: EP4218525A1] The present invention concerns the field of floor treatment machines such as scrubbers, finishers or polishers. There is provided a floor treatment machine comprising a base portion provided with two or more rotatable generally disc-shaped floor-facing work heads which are arranged side by side and define therebetween a sagittal plane which is vertical with respect to the floor, wherein each work head has a generally vertical axis of rotation, the machine being provided with drive means for rotating the work heads about the generally vertical axis of rotation, wherein in the drive means is/are arranged to rotate both work heads in the same rotational direction around each generally vertical axis of rotation, and characterised in that a corrective measure is applied to at least one of the work heads, which measure acts to neutralize any net force generated by the co-rotation of the work heads so as to prevent drift of the machine, or which measure acts to modify a net force created by the co-rotation so as to provide a net propulsive force in a direction of use. The corrective measure may introduce a bilateral asymmetry as between the orientation of the rotational axes of the work heads. The bilateral asymmetry is in the orientation of the rotational axis of one work head with respect to the other. A machine as claimed in any of the preceding claims wherein the rotational axis of one work head is inclined towards a sagittal plane more than the other.

IPC 8 full level
A47L 11/08 (2006.01); **A47L 11/206** (2006.01); **A47L 11/40** (2006.01)

CPC (source: EP GB)
A47L 11/08 (2013.01 - EP GB); **A47L 11/16** (2013.01 - GB); **A47L 11/206** (2013.01 - EP GB); **A47L 11/283** (2013.01 - GB);
A47L 11/293 (2013.01 - GB); **A47L 11/305** (2013.01 - GB); **A47L 11/4038** (2013.01 - GB); **A47L 11/4066** (2013.01 - EP);
A47L 11/4069 (2013.01 - EP)

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 4218525 A1 20230802; **EP 4218525 B1 20240807**; **EP 4218525 C0 20240807**; GB 202200990 D0 20220309; GB 2615080 A 20230802;
PL 4218525 T3 20241202

DOCDB simple family (application)
EP 23153298 A 20230125; GB 202200990 A 20220126; PL 23153298 T 20230125