

Title (en)
Floor care machine with counter acting force

Title (de)
Bodenpflegegerät mit einer Gegenkraft

Title (fr)
Appareil d'entretien du sol avec une contre-force

Publication
EP 1354548 A3 20050302 (EN)

Application
EP 03252337 A 20030412

Priority
US 12443802 A 20020416

Abstract (en)
[origin: EP1354548A2] A floor care machine that includes a deck having a motor, a rotatable floor care element for engaging a floor surface, and a handle apparatus pivotally mounted to the deck is provided. Additionally, there are first and second sets of wheels toward the rear of the deck and on opposite sides of handle apparatus pivot attachment points. In addition to the attachment points, the handle apparatus and the deck are coupled together by a rigid handle link which is pivotally attached to the deck at one end and pivotally attached to the handle apparatus at the other end. The handle link communicates deck pivot forces between the deck and the handle apparatus, and in particular, communicates such forces resulting from a compressing or decompressing of a compressible component provided along the length of the handle apparatus. A tension applied to the compressible component is communicated to the deck as a pivot force that counters deck gravitational and floor suction effects induced by the rotation of the floor care element. <IMAGE>

IPC 1-7
A47L 11/14; **A47L 11/40**

IPC 8 full level
A47L 11/162 (2006.01); **A47L 11/40** (2006.01)

CPC (source: EP US)
A47L 11/162 (2013.01 - EP US); **A47L 11/4072** (2013.01 - EP US); **A47L 11/4075** (2013.01 - EP US)

Citation (search report)
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