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(57) Abstract :
Patent Title: IRS- Robot: INTELLIGENT ROOM SURFACE/FLOOR-CLEANING ROBOT ABSTRACT My Invention IRS-Robot is an autonomous surface/floor-cleaning Robot comprises a auto self-adjusting cleaning head subsystem that includes a try-stage brush assembly having 360 degree rotating., The invention independent take a decision, vacuum assembly for example the cleaning capability and efficiency of the self-adjustable cleaning head subsystem is optimized while concomitantly minimizing the power requirements. The invention has been distinct improvements in the energizing capabilities of self-contained power supplies such as batteries, todays self-contained power supplies are still time-limited in providing power. Cleaning mechanisms for cleaning devices such as brush assemblies and vacuum assemblies require large power loads to provide effective cleaning capability. In the invention we also brush assemblies and vacuum assemblies are configured as combinations, since the brush assembly and the vacuum assembly of such combinations have not been designed or configured for synergic operation. The invention is to provide an intelligent cleaning device that has been designed and configured to optimize the cleaning capability and efficiency of its cleaning mechanisms for synergic operation while concomitantly minimizing or reducing the power requirements of such cleaning mechanisms.

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