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(57) Abstract :

A lawn mowing system, comprising a frame 1 having a set of wheels 2, 3 for moving on a lawn surface, a blade 4 that undergoes rotation via a primary motor 5 to chop off grass of the lawn in an uniform manner, a rack and pinion arrangement 6 incorporated within the frame 1, wherein movement of the pinion over the rack adjusts height of blade 4 in respect to the lawn surface to obtain desired level cutting of the grass, a container 7 for collecting the chopped grass, wherein the container 7 is flipped via a pair of secondary motors 8 to dump chopped grass in a dumping area and a set of mechanical links 9, 10 in association with a pair of gimbal motors 11, 12 to avoid unnecessary tilting of the blade 4 in case the frame 1 undergoes rolling and pitching action while moving. Refer. To Figure 1

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