CLAIMS

1. A squeegee unit for an autonomous cleaning apparatus comprising a cleaning module and support wheels, the squeegee unit comprising:

   a squeegee cartridge supporting one or more squeegee blades; and

   support means for supporting the squeegee cartridge for movement along a pre-defined arcuate path over a floor surface for supporting the squeegee cartridge between the cleaning module and the support wheels of the cleaning apparatus, and for supporting the squeegee cartridge for a left or right swinging motion when the cleaning apparatus is turning;

   wherein the support means comprises a plurality of guide units, each guide unit having at least one roller bearing for guiding the squeegee cartridge along the arcuate path.

2. A squeegee unit according to claim 1, wherein each of the plurality of guide units further includes one or more low friction surfaces to facilitate sliding of the squeegee cartridge.

3. A squeegee unit according to claim 1 or 2, further comprising a suspension system for supporting the squeegee cartridge.

4. A squeegee unit according to claim 3, wherein the suspension system comprises a spring arrangement engaging each of the plurality of guide units.

5. A squeegee unit according to claim 3 or 4, wherein the suspension system further comprises elevation means for raising and lowering the squeegee cartridge away from or towards the floor surface during operation of the cleaning apparatus.

6. A squeegee unit according to any one of claims 3 to 5, wherein the suspension system maintains the one or more squeegee blades at an angle of about 45 degrees relative to the floor surface during operation thereof.

7. A squeegee unit according to any one of the preceding claims, wherein the one or more squeegee blades are supported on the squeegee cartridge to form an arcuate shape.

8. A squeegee unit according to claim 7, wherein the one or more squeegee blades are releasably secured to the squeegee cartridge.

9. A squeegee unit according to claim 8, wherein the one or more squeegee blades are releasably attached to the squeegee cartridge using a tab and cooperating slot arrangement.

10. A squeegee unit according to any one of claims 7 to 9, wherein the one or more squeegee blades is formed from rubber.

11. A squeegee unit according to any one of the preceding claims, wherein the squeegee cartridge comprises a wastewater tank for receiving water collected by the one or more squeegee blades.

12. A squeegee unit according to claim 11, wherein the one or more squeegee blades comprises one or more perforations to allow the water to be sucked into the wastewater tank.

13. An autonomous cleaning apparatus including a squeegee unit according to any one of the preceding claims.