

## Grass Cutter Using Wire

**Seeking parties interested in licensing and commercializing of technology.**

### Applications:

- Maintenance of gardens with less human effort.

### Technology Description:

The invention relates to a grass cutter using wire. It comprises of an angle grinding motor which is engaged with a drive shaft. The shaft which is placed inside an aluminum pipe contains a spiral bevel gear placed in a gear case assembly at the end that holds a nylon cutter head. When the motor is switched on, the aluminum rod, inside which the shaft is placed with two bearings runs. The power from the drive shaft is transmitted to the gear case assembly and the output power from the gear case is sent to the nylon cutter. The nylon wire rotates up to a maximum speed of 10,000 rpm. Due to the heavy centrifugal force the nylon wire rotates, and the grass is cut. In this process the blade is not damaged often because of nylon wire. It is a very reliable process. The grasses are cut very quickly.

### Advantages of the Technology:

- A reliable technology for a quick grass cutting.
- The mechanism mainly focuses on reducing the human effort in cutting grass.
- The cutter uses nylon wire which rotates up to a maximum speed of 10000 rpm.

### Development Status:

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**Technology Transfer from the institute:** For more details

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