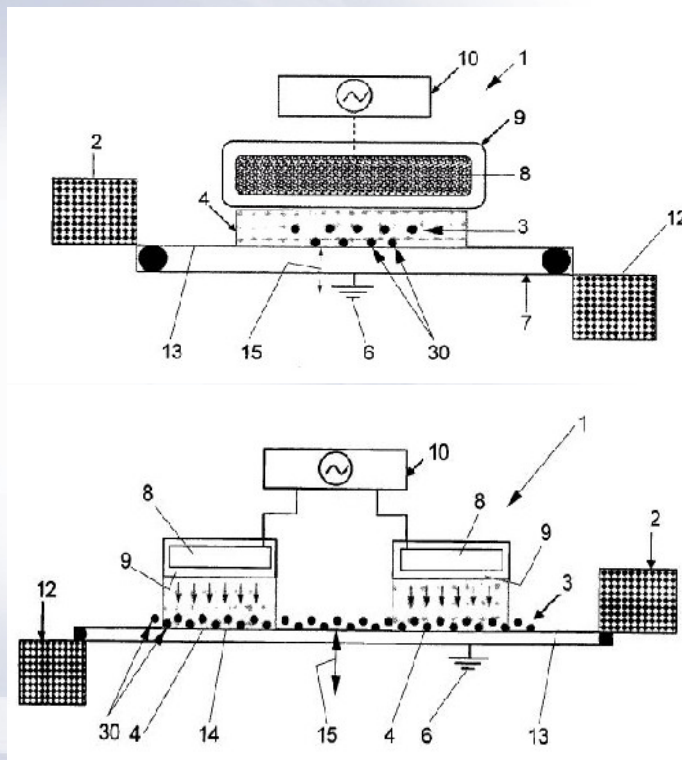


# Treatment of bulk materials by plasma

Treatment of bulk materials, particularly of chipped wood, with a cold plasma to reduce the surface tension of the chips, cleaning and activating the chips. Thus the amount of binder or glue might be reduced by 20% for the production of wood composites and a higher stability is achieved.

## fully automatic conveyor belt

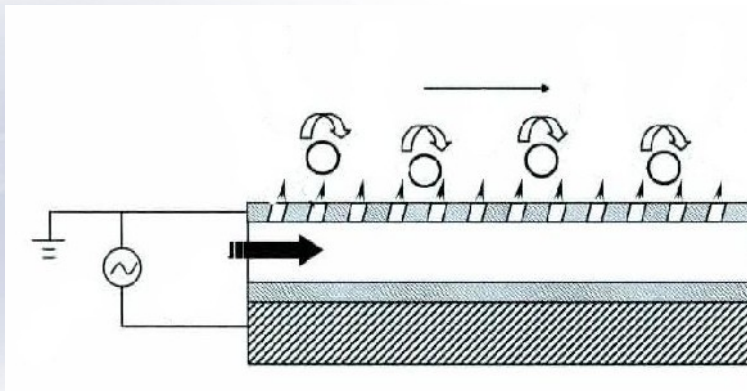


Bulk material (e.g. wood fibres) that consists of a plurality of individual particles is treated with a physical plasma at atmospheric pressure. The physical plasma is produced by means of dielectric impeded gas discharge between two electrodes and the particles of the bulk material in the individual form are displaced through the area of the gas discharge between the electrodes.



# Treatment of bulk materials by plasma

## Air-floated conveyor



Bulk material are floating on a air cushion of a physical plasma at atmospheric pressure.

### Advantages:

- preparing bulk material in high flow rates
- activating and cleaning the bulk material for gluing
- reducing glue or binder
- higher rigidity of the product

**We are looking for license partners producing wood panels, wallboards, composite products, machines for this area or from similar areas.**

**An international patent has been filed.**