What is claimed is:

1. A device for dispensing a fluid onto a target, comprising:

a dispensing nozzle having an end for emitting the fluid onto the target, wherein the fluid comprises a solvent; and

a band having a hollow interior and an inner surface, wherein said band is positioned so that said end of said dispensing nozzle is in said hollow interior to form a gap between said inner surface of said band and said end of said dispensing nozzle, said band also having said solvent present thereon,

wherein said solvent present on said band evaporates into said gap to assist in the prevention of evaporation of said solvent at said end of said dispensing nozzle.

2. The device of claim 1, wherein said band is a circular, annular band having a constant inner diameter, outer diameter, and annular thickness.

3. The device of claim 1, wherein said band is a porous plastic material.

4. The device of claim 3, wherein said porous plastic material is a polymer.

5. The device of claim 4, wherein said polymer is selected from the group consisting of
polypropylene, or polytetrafluoroethylene, ultra-high molecular weight polyethylene, high-density polyethylene, polypropylene, polyvinylidene fluoride, ethylene vinyl acetate, nylon-6, polyurethane, a polyethylene/polypropylene co-polymer, and any combinations thereof.

6. The device of claim 5, wherein said polymer is selected from the group consisting of polypropylene, polytetrafluoroethylene, and a combination thereof.

7. The device of claim 1, wherein said band has a plurality of pores, and said solvent is present on said inner surface of said band, within said pores, or a combination thereof.

8. The device of claim 1, wherein said band has a porosity of about 20% to about 80%.

9. The device of claim 1, wherein said band is a non-porous material, and said inner surface has a high surface roughness.

10. The device of claim 9, wherein said solvent is present on said inner surface.

11. The device of claim 1, further comprising a mount for holding said dispensing nozzle and said band.

12. The device of claim 11, wherein said mount has a hole therethrough with a top opening and a bottom opening, and wherein said dispensing nozzle is in said top opening of said hole, and said band is in said bottom opening of said hole.

13. The device of claim 12, wherein said mount further comprises a bottom surface with a drip gasket connected thereto, wherein said drip gasket catches overflow of said solvent from said band.

14. The device of claim 11, further comprising a feeder tube connected to said mount, wherein said feeder tube supplies said solvent to said band.

15. The device of claim 1, wherein said band has a shape selected from the group consisting of oval, square, rectangular, and elliptical.

16. The device of claim 1, further comprising a heat source for applying heat to assist in said evaporation of said solvent from said band.

17. A method of dispensing liquid onto a target, the liquid comprising a solvent, and the method comprising:

supplying the liquid in a dispensing nozzle, said dispensing nozzle having an end through which the liquid is dispensed onto the target;

placing said end of said dispensing nozzle into a hollow interior of a band, thus forming a gap between said end and an interior surface of said band;

supplying an additional amount of said solvent to said band, so that at least some of said additional solvent evaporates into said gap,

wherein the liquid is dispensed on to the target.

18. The method of claim 17, further comprising the step of applying heat to said band, said gap, or both, to assist in the evaporation of said solvent.

19. The method of claim 17, wherein said additional amount of said solvent is applied to an outer surface of said band.

Claims

1. An invention not claimed in any divisional application.