

Claims

1. A component for a CMP tool, the component comprising:
 - a body having a surface that will be exposed to a polishing fluid when the CMP tool is polishing a substrate; and
 - a hydrophobic layer disposed on the surface of the body, the hydrophobic layer having a thickness between 400_nm and 1600_nm and a fluid contact angle from 90° to about 140°, the hydrophobic layer is formed from a monomer, wherein the monomer is selected from the group consisting of octadecyldimethylchlorosilane, tris(trimethylsiloxy)silylethyl-dimethylchlorosilane, and octyldimethylchlorosilane.
2. The component of claim 1, wherein the component is a component for delivering a fluid in a CMP tool, the component for delivering a fluid in a CMP tool comprising:
 - an elongated member, wherein the elongated member further comprises:
 - a first end;
 - a second end; and
 - an elongated upper surface extending between the first end and the second end, wherein the hydrophobic layer is disposed on the elongated upper surface of the elongated member.
3. The component of claim 2, wherein the elongated member is a fluid delivery arm.
4. The component of claim 2, wherein the elongated member is a pad conditioning arm.
5. The component of claim 2, wherein the elongated member is an arm cover.
6. A component for delivering a fluid in a CMP tool comprising:
 - an elongated member, wherein the elongated member comprises:
 - a first end;
 - a second end;
 - an elongated upper surface extending between the first end and the second end; and
 - a hydrophobic layer disposed on the elongated upper surface, the hydrophobic layer having a fluid contact angle from 90° to about 140°, the hydrophobic layer is formed from a monomer, wherein the monomer is selected from the group consisting of octadecyldimethylchlorosilane, tris(trimethylsiloxy)silylethyl-dimethylchlorosilane, and octyldimethylchlorosilane.
7. The component of claim 6, wherein the elongated member is a fluid delivery arm.
8. The component of claim 6, wherein the elongated member is a pad conditioning arm.

9. The component of claim 6, wherein the elongated member is an arm cover.
10. A component for delivering a fluid in a CMP tool comprising:
 - a body having a first surface that will be exposed to a polishing fluid when the CMP tool is polishing a substrate, wherein the body is an elongated member comprising:
 - a first end;
 - a second end; and
 - an elongated upper surface extending between the first end and the second end; and
 - a hydrophobic layer disposed on the first surface of the body, the hydrophobic layer having a fluid contact angle of from 90° to about 140°, the hydrophobic layer is formed from a monomer, wherein the monomer is selected from the group consisting of octadecyldimethylchlorosilane, tris(trimethylsiloxy)silylethyl-dimethylchlorosilane, and octyldimethylchlorosilane.
11. The component of claim 10, wherein the elongated member is a fluid delivery arm.
12. The component of claim 10, wherein the elongated member is a pad conditioning arm.
13. The component of claim 10, wherein the elongated member is an arm cover.