

ADHESION LAYER FOR PROTECTIVE OVERCOAT

ABSTRACT OF THE DISCLOSURE

An apparatus includes a metal substrate, an amorphous adhesion layer on
5 the metal substrate, and a protective DLC layer over the adhesion layer. The
adhesion layer has a thickness of less than about 8 Angstroms, and has a
composition of carbon silicon carbide or carbon silicon nitride. The composition
of the adhesion layer provides corrosion resistance for the metal substrate.

FIGURE 1A