

ABSTRACT OF THE DISCLOSURE

TiAlN COATINGS FOR GLASS MOLDING DIES AND TOOLING

A system for precision glass molding comprising a substrate and a coating. The substrate has less than 1.2 wt. % minor constituents. The coating comprises TiAl_xN_y , wherein x is about 0.7-1.5 and y is about 2.0-3.0. The coating is applied on at least a portion of the substrate.

Figure 4