EXTENDED LIFETIME COLLIMATOR

Abstract of the Disclosure

An improved, extended lifetime collimator 11 for cathode sputtering has a plurality of passages 20 which taper longitudinally from a target 13 side of the collimator to a wafer 14 side of the collimator. This longitudinal tapering reduces the adverse effects on collimator useful life and wafer deposition rate which are generally caused by the accumulation of sputtered particles on exposed surfaces on the target side of the collimator 11. Compared to prior collimators, this collimator 11 may be used to sputter coat a greater number of wafers 14 before replacement or cleaning is necessary, thereby enhancing throughput capability.

This Sheet Has Been Replaced