

Abstract**(prepared by WIPO / international publication)**

The invention relates to a coating comprising at least one molybdenum-containing layer having molybdenum oxide, said molybdenum being essentially molybdenum monoxide. The invention further relates to a PVD process for producing the disclosed coating, in which the layer comprising the molybdenum monoxide is produced using arc evaporation. The invention also relates to a component that has said coating.