A method for the manufacture of a coating

Abstract of Disclosure

Using this method, a coating (1) is manufactured on a substrate (2), which forms a surface of a base body. In this method a layer (3) with ceramic coating material is applied to the substrate in a process chamber (6) using a plasma beam (30) and using an LPPS or LPPS-TF process. The substrate contains at least one metal Me. At a set reaction temperature of the substrate and in the presence of oxygen an oxide, which results reactively with metal M diffused on the surface, is generated as a ceramic intermediate layer (4). The ceramic layer (3) is deposited on this intermediate layer.

Fig. 1