

Summary

In a piston for a large-size engine having a piston crown (1) made of a ferrous material and provided with circumferential piston ring grooves (4), each of them designed for receiving a piston ring (3), with at least the uppermost of such grooves (4), next to the combustion chamber, being provided on its lateral surface away from the combustion chamber with a wear-resistant layer (5) a high load capacity and lifetime of the wear-resistant layer is achieved in that the wear-resistant layer (5) contains a metallic matrix (7) in which load bearing particles (6) are embedded, with at least such load bearing particles (6) possessing a degree of hardness that is greater than that of chromium. The wear-resistant layer can be sprayed on, molten on or soldered on.

(Figure 1)