

Title (en)

Mechanical element for the combustion chamber of a diesel engine of the type comprising sliding surfaces having wear protective layers for the running-in phase, and method for obtaining these layers.

Title (de)

Mechanisches Element für die Brennkammer einer Dieselmotormaschine mit Gleitflächen die Verschleisschutzschichten aufweisen und Verfahren zur Herstellung dieser Schichten.

Title (fr)

Élément mécanique pour la chambre de combustion d'un moteur Diesel comprenant des surfaces de glissement ayant des couches protectrices à l'usure pour la phase de rodage et procédé pour obtenir ces couches.

Publication

EP 0126323 A2 19841128 (EN)

Application

EP 84104633 A 19840425

Priority

IT 6754083 A 19830516

Abstract (en)

A mechanical component (1), in particular for the combustion chamber of a diesel engine, having at least one sliding surface (2, 2a) coated with a wear-protective layer (4) which can be worn away during a running-in period and constituted by a nitride based heat diffusion layer nitrides with a percentage content by weight of nitrogen lying between about 4% and about 12%, which layer is obtained by a gaseous nitriding with ammonia or ionised nitrogen at temperatures less than or equal to about 600 DEG C.

IPC 1-7

F02B 77/02; **F02B 79/00**

IPC 8 full level

F02B 77/02 (2006.01); **F02B 79/00** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP)

F02B 77/02 (2013.01); **F02B 79/00** (2013.01); **F02B 3/06** (2013.01)

Cited by

WO2021180315A1; EP3159427A1; CN115244280A; WO9819084A1

Designated contracting state (EPC)

AT BE CH DE FR GB LI LU NL SE

DOCDB simple family (publication)

EP 0126323 A2 19841128; **EP 0126323 A3 19851218**; IT 1159435 B 19870225; IT 8367540 A0 19830516

DOCDB simple family (application)

EP 84104633 A 19840425; IT 6754083 A 19830516