

Title (en)

METHOD AND SYSTEM FOR PRODUCING WEAR-RESISTANT SURFACES

Title (de)

VERFAHREN UND ANORDNUNG ZUM HERSTELLEN VERSCHLEISSFESTER OBERFLÄCHEN

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT DE PRODUIRE DES SURFACES RESISTANTES A L'USURE

Publication

EP 1161569 B1 20021218 (DE)

Application

EP 00902632 A 20000126

Priority

- DE 19907104 A 19990219
- DE 19941562 A 19990901
- EP 0000575 W 20000126

Abstract (en)

[origin: US2002012753A1] A wear-resistant surface is formed on a component formed of an AISi alloy by using a thermal spraying or a laser beam treatment. A thermally conductive device is brought into a thermally conductive contact with the component so that the thermally conductive device touches the component during the step of forming the wear-resistant surface. The thermally conductive device is actively cooled.

IPC 1-7

C23C 4/06; **C23C 4/12**

IPC 8 full level

F02F 1/00 (2006.01); **C23C 4/08** (2006.01); **C23C 4/12** (2006.01); **C23C 4/16** (2006.01); **C23C 4/18** (2006.01)

CPC (source: EP US)

C23C 4/12 (2013.01 - EP US); **C23C 4/16** (2013.01 - EP US); **C23C 4/18** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

US 2002012753 A1 20020131; **US 6634179 B2 20031021**; CN 1153844 C 20040616; CN 1341156 A 20020320; EP 1161569 A1 20011212; EP 1161569 B1 20021218; EP 1161569 B2 20060208; JP 2002537487 A 20021105; WO 0049194 A1 20000824

DOCDB simple family (application)

US 93305101 A 20010820; CN 00804004 A 20000126; EP 0000575 W 20000126; EP 00902632 A 20000126; JP 2000599916 A 20000126