

Title (en)

Ceramic-coated, heat-resisting member and process for preparing the same.

Title (de)

Keramikbeschichtetes wärmebeständiges Element und Verfahren zu dessen Herstellung.

Title (fr)

Pièce résistant à la chaleur, comportant un revêtement céramique et procédé de sa préparation.

Publication

**EP 0236520 A1 19870916 (EN)**

Application

**EP 86103159 A 19860310**

Priority

JP 18794184 A 19840910

Abstract (en)

A ceramic-coated member comprising a substrate having a high mechanical strength, a bonding layer of corrosion-resistant alloy containing Al, and having higher resistances to oxidation and corrosion in a higher temperature atmosphere than those of the substrate formed by plasma melt injection in an atmosphere of low oxygen content, and a ceramic coat layer formed on the bonding layer, wherein an Al-based oxide layer is formed at the boundary between the bonding layer and the ceramic coat layer by high temperature treatment of the member in the atmosphere.

IPC 1-7

**C23C 4/18**; **C23C 28/00**

IPC 8 full level

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CPC (source: EP)

**C23C 4/02** (2013.01); **C23C 4/18** (2013.01); **C23C 28/00** (2013.01)

Citation (search report)

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