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Title: Oxidation behaviour of Pt modified aluminized NiCrAlYSi coating on a Ni-based single crystal superalloy

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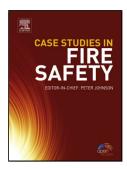
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ACCEPTED MANUSCRIPT

Oxidation behaviour of Pt modified aluminized NiCrAlYSi coating on a Ni-based single crystal superalloy

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Highlights

- Pt modified aluminized NiCrAlYSi coatings were prepared on Ni-based single crystal superalloy.
- Pt modified aluminized NiCrAlYSi coatings consisted of Al-enriched outer layer and Cr-enriched internal layer.
- The oxidation behaviour of Pt modified aluminized NiCrAlYSi coatings were investigated.
- Addition of Pt decreased the oxidation rate and retarded the surface rumpling of coating.

Abstract

An aluminized NiCrAlYSi coating and Pt modified aluminized NiCrAlYSi coating

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