

Title (en)

Roll ring, comprising cemented carbide and cast iron, and method for manufacture of the same.

Title (de)

Walzring aus Hartmetall und Gusseisen und Verfahren zur Herstellung.

Title (fr)

Bague de laminage en carbure fritté et fonte de moulage et méthode de sa fabrication.

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Application

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Priority

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Abstract (en)

The present invention discloses a roll ring for hot and/or cold rolling. The rolling track comprises one or several cemented carbide rings, which are cast into a casing made by an iron alloy. The cast alloy comprising a materially graphitic cast iron, which after the casting contains residual austenite. This residual austenite is at subsequent heat treatment or treatments partly or totally transformed under volume increase to mainly bainite with the aim of reducing or totally eliminating the differential shrinkage between the cast iron and the cemented carbide as a result from cooling after the casting.

IPC 1-7

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IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

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