

Title (en)

METHOD FOR ADDING ZINC TO MOLTEN STEEL AND PROCESS FOR PRODUCING ZINC-CONTAINING STEEL

Title (de)

VERFAHREN ZUM HINZUFÜGEN VON ZINK ZU STAHLSCHEMELZE UND VERFAHREN ZUR HERSTELLUNG VON ZINKHALTIGEM STAHL

Title (fr)

PROCÉDÉ D'ADDITION DE ZINC À DE L'ACIER LIQUIDE, ET PROCÉDÉ DE PRODUCTION D'ACIER CONTENANT DU ZINC

Publication

**EP 2695953 B1 20190814 (EN)**

Application

**EP 11862742 A 20111219**

Priority

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- JP 2011079350 W 20111219

Abstract (en)

[origin: EP2695953A1] A method is provided by which it is possible to easily add zinc to a molten steel in high yield. The method for adding zinc to a molten steel comprises supplying a composite oxide of Zn with Al and/or Si to a molten steel. The method for adding zinc to a molten steel may further include supplying the oxide of Ca to the molten steel. The molten steel preferably is a molten steel for a hot work tool steel. A process for producing a zinc-containing steel is also provided in which the molten steel to which zinc has been added by the method for adding zinc to a molten steel is cast. The cast zinc-containing steel preferably has a Zn content of 0.001 mass% or higher.

IPC 8 full level

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