

Title (en)
LOW-CR FERRITIC STAINLESS STEEL WITH EXCELLENT FORMABILITY AND HIGH TEMPERATURE PROPERTIES, AND MANUFACTURING METHOD THEREFOR

Title (de)
CHROMARMER FERRITISCHER EDELSTAHL MIT AUSGEZEICHNETER UMFORMBARKEIT UND HOCHTEMPERATUREIGENSCHAFTEN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
ACIER INOXYDABLE FERRITIQUE À FAIBLE TENEUR EN CR PRÉSENTANT UNE APTITUDE AU FORMAGE ET DES PROPRIÉTÉS À TEMPÉRATURE ÉLEVÉE EXCELLENTE, ET SON PROCÉDÉ DE FABRICATION

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Application
EP 19897222 A 20190220

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Abstract (en)
[origin: EP3875627A1] Disclosed is a low-Cr ferritic stainless steel with excellent formability and high temperature properties and a manufacturing method thereof. The embodiments of the present disclosure provide a low-Cr ferritic stainless steel with excellent formability and excellent high-temperature strength and high-temperature oxidation resistance corresponding to high-Cr ferritic stainless steel without increasing Cr content or adding Nb by optimizing the content of C, Si, Sn and utilizing solid solution strengthening and precipitation strengthening, and a manufacturing method thereof.

IPC 8 full level
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Citation (search report)
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• [A] KR 20140083726 A 20140704 - POSCO [KR]
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