

Title (en)

AUSTENITE STEEL MATERIAL HAVING SUPERB SURFACE CHARACTERISTIC, AND METHOD FOR PRODUCING SAME

Title (de)

AUSTENITISCHES STAHLMATERIAL MIT AUSGEZEICHNETER OBERFLÄCHENEIGENSCHAFT UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

MATÉRIAU EN ACIER AUSTÉNITIQUE PRÉSENTANT DE REMARQUABLES CARACTÉRISTIQUES DE SURFACE, ET SON PROCÉDÉ DE PRODUCTION

Publication

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Application

EP 17884959 A 20171221

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Abstract (en)

The present invention relates to abrasion-resistant austenite steel material having superb surface characteristic, and a method for producing the abrasion-resistant austenite steel material. Provided are austenite steel material having superb surface characteristic, and a method for producing same, the austenite steel material according to the present invention comprising, in weight %: 0.6-1.3% carbon (C); 14-22% manganese (Mn); 5% or lower (excluding 0%) copper (Cu); 5% or lower (excluding 0%) chromium (Cr); 1.0% or lower (excluding 0%) silicon (Si); 0.5% or lower (excluding 0%) aluminum (Al); 0.1% or lower (including 0%) phosphorous (P); 0.02% or lower (including 0%) sulfur (S); and remainder in iron (Fe) and other unavoidable impurities, and having the microstructure comprising, by surface area %, 5% or lower carbide and the rest in austenite structure, and surface flaw size of 0.3mm or lower.

IPC 8 full level

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Cited by

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