

Title (en)

A method of spheroidizing annealing of hypo-eutectoid low alloy steel

Title (de)

Verfahren zum Glühen auf kugeligem Carbide von untereutektoidischen niedriglegierten Stählen

Title (fr)

Procédé de recuit de sphéroidisation d'acier hypoeutectoidique faiblement allié

Publication

**EP 1031631 A2 20000830 (EN)**

Application

**EP 00850027 A 20000214**

Priority

SE 9900598 A 19990222

Abstract (en)

Method of spheroidizing annealing of hypo-eutectoid low alloy steel, wherein a hot rolled steel typical comprising ferrite and a high carbon phase such as pearlite or martensitic/bainitic microstructural constituents a) is heated to a temperature between A1 and A3 until austenitic domains with higher carbon content than the base composition has been created, b) the temperature is lowered and held under A1 to enable the austenite to transform into ferrite and carbides, c) the temperature is held under A1 until a desired degree of spheroidizing of the carbide is obtained. <IMAGE>

IPC 1-7

**C21D 1/32**; **C21D 1/78**

IPC 8 full level

**C21D 1/26** (2006.01); **C21D 1/32** (2006.01); **C21D 1/78** (2006.01); **C21D 6/00** (2006.01); **C21D 1/28** (2006.01)

CPC (source: EP)

**C21D 1/32** (2013.01); **C21D 1/785** (2013.01); **C21D 1/28** (2013.01)

Cited by

EP2543744A1; CZ305540B6

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 1031631 A2 20000830**; **EP 1031631 A3 20031008**; CN 1265427 A 20000906; JP 2000239737 A 20000905; SE 521770 C2 20031202; SE 9900598 D0 19990222; SE 9900598 L 20000823

DOCDB simple family (application)

**EP 00850027 A 20000214**; CN 00102387 A 20000222; JP 2000039585 A 20000217; SE 9900598 A 19990222