

Title (en)

Steel sheet with excellent bendability

Title (de)

Stahlblech mit guter Biegebarkeit

Title (fr)

Tôle d'acier présentant une excellente aptitude au pliage

Publication

EP 1389639 A3 20050608 (EN)

Application

EP 03254606 A 20030724

Priority

JP 2002219662 A 20020729

Abstract (en)

[origin: EP1389639A2] A steel sheet with excellent bendability in which the main structure is composed of retained austenite (5-30 area%) and ferrite (no less than 50 area%) such that there exist no more than 40 carbide grains per 2000 μm^2 between the retained austenite and the ferrite. The steel sheet is suitable for automobiles which exhibits bending properties (bendability and tight bendability) even though its strength is as high as 600 to 1400 MPa.

IPC 1-7

C22C 38/02; **C22C 38/04**; **C22C 38/06**

IPC 8 full level

C21D 8/02 (2006.01); **C21D 9/46** (2006.01); **C22C 38/00** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/16** (2006.01); **C21D 1/18** (2006.01); **C21D 1/20** (2006.01)

CPC (source: EP US)

C21D 8/0273 (2013.01 - EP US); **C21D 9/46** (2013.01 - EP US); **C22C 38/02** (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/06** (2013.01 - EP US); **C21D 1/185** (2013.01 - EP US); **C21D 1/20** (2013.01 - EP US); **C21D 2211/001** (2013.01 - EP US); **C21D 2211/003** (2013.01 - EP US); **C21D 2211/005** (2013.01 - EP US)

Citation (search report)

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