

Title (en)  
STEEL SHEET AND METHOD FOR PRODUCING SAME

Title (de)  
STAHLBLECH UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)  
TÔLE D'ACIER, ET PROCÉDÉ DE FABRICATION DE CELLE-CI

Publication  
**EP 4379083 A1 20240605 (EN)**

Application  
**EP 22849577 A 20220728**

Priority  
• JP 2021122923 A 20210728  
• JP 2022029080 W 20220728

Abstract (en)  
This steel sheet has a predetermined chemical composition, a tensile strength is 780 MPa or greater, a total of the area ratio of ferrite and an area ratio of bainite is 10% or greater and 90% or less, a total of an area ratio of martensite and an area ratio of tempered martensite is 10% or greater and 90% or less, and a total of an area ratio of pearlite and an area ratio of residual austenite is 0% or greater and 10% or less, a number proportion of crystal grains of ferrite and bainite having an area of  $6\text{ }\mu\text{m}^2$  or less is 40% or greater to a total number of crystal grains of the ferrite and the bainite, and a number proportion of crystal grains of ferrite and bainite having an area of  $50\text{ }\mu\text{m}^2$  or greater is 5% or less to the total number of crystal grains of the ferrite and the bainite, and a maximum Mn content in a region up to 0.5  $\mu\text{m}$  from an interface between the ferrite and the martensite or the tempered martensite, in a direction perpendicular to the interface and toward an inside of the ferrite grains, is 0.30 mass% or more lower than an average Mn content of the steel sheet

IPC 8 full level  
**C22C 38/00** (2006.01); **C21D 9/46** (2006.01); **C22C 38/60** (2006.01)

CPC (source: EP KR)  
**C21D 8/0205** (2013.01 - EP); **C21D 8/0226** (2013.01 - EP KR); **C21D 8/0236** (2013.01 - EP KR); **C21D 8/0263** (2013.01 - EP KR);  
**C21D 8/0273** (2013.01 - EP KR); **C21D 9/46** (2013.01 - EP KR); **C22C 38/001** (2013.01 - KR); **C22C 38/002** (2013.01 - EP);  
**C22C 38/005** (2013.01 - EP); **C22C 38/008** (2013.01 - EP); **C22C 38/02** (2013.01 - EP); **C22C 38/04** (2013.01 - EP);  
**C22C 38/06** (2013.01 - EP KR); **C22C 38/08** (2013.01 - EP); **C22C 38/10** (2013.01 - EP); **C22C 38/12** (2013.01 - EP); **C22C 38/14** (2013.01 - EP);  
**C22C 38/16** (2013.01 - EP); **C22C 38/20** (2013.01 - EP); **C22C 38/22** (2013.01 - EP); **C22C 38/26** (2013.01 - EP); **C22C 38/28** (2013.01 - EP);  
**C22C 38/32** (2013.01 - EP); **C22C 38/34** (2013.01 - EP); **C22C 38/38** (2013.01 - EP); **C22C 38/42** (2013.01 - KR); **C22C 38/44** (2013.01 - KR);  
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BA ME

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KH MA MD TN

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