

Title (en)  
COLD-ROLLED STEEL SHEET, STEEL COMPONENTS, METHOD FOR PRODUCING COLD-ROLLED STEEL SHEET, AND METHOD FOR PRODUCING STEEL COMPONENTS

Title (de)  
KALTGEWALZTES STAHLBLECH, STAHLBAUTEILE, VERFAHREN ZUR HERSTELLUNG EINES KALTGEWALZTEN STAHLBLECHS UND VERFAHREN ZUR HERSTELLUNG VON STAHLBAUTEILEN

Title (fr)  
TÔLE D'ACIER LAMINÉE À FROID, COMPOSANTS EN ACIER, PROCÉDÉ DE PRODUCTION DE TÔLE D'ACIER LAMINÉE À FROID ET PROCÉDÉ DE PRODUCTION DE COMPOSANTS EN ACIER

Publication  
**EP 4324952 A1 20240221 (EN)**

Application  
**EP 22824937 A 20220610**

Priority  
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• JP 2022023539 W 20220610

Abstract (en)  
A cold-rolled steel sheet having excellent toughness is provided. The cold-rolled steel sheet has a defined chemical composition, an average particle size of 0.10  $\mu\text{m}$  or more of carbides containing at least one of Nb, Ti, and V in ferrite grains, and a number density of 100/mm<sup>2</sup> or more of the carbides having a particle size of 0.10  $\mu\text{m}$  or more.

IPC 8 full level  
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Designated extension state (EPC)  
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KH MA MD TN

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