

Title (en)  
STEEL SHEET FOR CONTAINERS

Title (de)  
STAHLBLECH FÜR BEHÄLTER

Title (fr)  
FEUILLE EN ACIER POUR CONTENANTS

Publication  
**EP 2006416 A1 20081224 (EN)**

Application  
**EP 07740155 A 20070328**

Priority  
• JP 2007056717 W 20070328  
• JP 2006091353 A 20060329  
• JP 2007069262 A 20070316

Abstract (en)  
A steel sheet for a container includes a Ni plating layer or a Fe-Ni alloy plating layer formed on a surface of the steel sheet, the Ni plating layer including Ni of 5 mg/m<sup>2</sup> #1/4150 mg/m<sup>2</sup> , and the Fe-Ni alloy plating layer including Ni of 5 mg/m<sup>2</sup> #1/4150 mg/m<sup>2</sup> , Sn plating layer of 300 mg/m<sup>2</sup> #1/43000 mg/m<sup>2</sup> being plated on the Ni plating layer or the Fe-Ni alloy plating layer, the Ni plating layer, or some or all of the Fe-Ni alloy plating layer and part of the Sn plating being alloyed and a Sn plating layer being partially left by a tin melting process, and two or more of a Zr film including the amount of Zr of 1 mg/m<sup>2</sup> #1/4500 mg/m<sup>2</sup> , a phosphoric acid film including the amount of P of 0.1 mg/m<sup>2</sup> #1/4100 mg/m<sup>2</sup> , and a phenol resin film including the amount of C of 0.1 mg/m<sup>2</sup> #1/4100 mg/m<sup>2</sup> being formed on the alloyed Sn plating layer and the left Sn plating layer.

IPC 8 full level  
**C23C 26/00** (2006.01); **B32B 15/08** (2006.01); **C23C 28/00** (2006.01); **C23C 28/02** (2006.01); **C25D 5/10** (2006.01)

CPC (source: EP KR)  
**C23C 26/00** (2013.01 - EP); **C23C 28/00** (2013.01 - EP KR); **C23C 28/021** (2013.01 - EP); **C23C 28/023** (2013.01 - EP)

Cited by  
EP2540867A4; US2013209830A1; US9738978B2; US9416460B2; US9528187B2; US9637826B2; US10392709B2

Designated contracting state (EPC)  
BE DE ES FR GB

DOCDB simple family (publication)  
**EP 2006416 A1 20081224**; **EP 2006416 A4 20100113**; **EP 2006416 B1 20150826**; CN 101410553 A 20090415; CN 101410553 B 20120627; JP 5214437 B2 20130619; JP WO2007111354 A1 20090813; KR 100993431 B1 20101109; KR 20080109804 A 20081217; TW 200800589 A 20080101; TW I394658 B 20130501; WO 2007111354 A1 20071004

DOCDB simple family (application)  
**EP 07740155 A 20070328**; CN 200780010900 A 20070328; JP 2007056717 W 20070328; JP 2008507520 A 20070328; KR 20087024145 A 20070328; TW 96111061 A 20070329