

Title (en)
AL-PLATED STEEL SHEET FOR EXHAUST GAS PASSAGEWAY MEMBERS OF MOTORCYCLES EXCELLENT IN HIGH-TEMPERATURE STRENGTH AND MEMBERS

Title (de)
AL-PLATTIERTES STAHLBLECH FÜR ABGASPASSAGENELEMENTE VON MOTORRÄDERN MIT HERVORRAGENDER HOCHTEMPERATURFESTIGKEIT UND ELEMENTE

Title (fr)
TÔLE D'ACIER ALUMINÉE POUR ÉLÉMENTS DE PASSAGE DE GAZ D'ÉCHAPPEMENT DE CYCLOMOTEURS EXCELLENTE EN TERMES DE RÉSISTANCE À HAUTE TEMPÉRATURE ET ÉLÉMENTS DE PASSAGE DE GAZ D'ÉCHAPPEMENT DE CYCLOMOTEURS

Publication
EP 2184376 A1 20100512 (EN)

Application
EP 08778367 A 20080729

Priority
• JP 2008063939 W 20080729
• JP 2007198903 A 20070731

Abstract (en)
Provided is an Al-plated steel sheet for motorcycle exhaust gas passageway members excellent in high-temperature strength and red scale resistance, which is produced by dipping a substrate steel sheet comprising, in terms of % by mass, at most 0.02% of C, at most 2% of Si, at most 2% of Mn, from 5 to 25% of Cr, from more than 0.1 to 1% of Nb, at most 0.3% of Ti, at most 0.02% of N, and optionally at least one of at most 0.6% of Ni, at most 0.2% of Al, at most 3% of Mo, at most 3% of Cu, at most 3% of W, at most 0.5% of V, at most 0.5% of Co and at most 0.01% of B, with a balance of Fe and inevitable impurities, in a hot-dip Al-base plating bath to thereby form a hot-dip plating layer having a mean thickness of from 3 to 20 µm on the surface thereof.

IPC 1-7
F01N 7/16

IPC 8 full level
C23C 2/12 (2006.01); **C22C 21/02** (2006.01); **C22C 38/00** (2006.01); **C22C 38/38** (2006.01); **C22C 38/58** (2006.01); **C23C 2/20** (2006.01); **F01N 13/08** (2010.01)

CPC (source: EP KR US)
C23C 21/02 (2013.01 - EP KR US); **C22C 38/002** (2013.01 - KR); **C22C 38/26** (2013.01 - EP KR US); **C22C 38/28** (2013.01 - KR); **C22C 38/34** (2013.01 - KR); **C22C 38/38** (2013.01 - KR); **C23C 2/12** (2013.01 - EP KR US); **C23C 2/20** (2013.01 - EP KR US); **F01N 13/16** (2013.01 - EP KR US); **F01N 2590/04** (2013.01 - EP KR US); **Y10T 428/12757** (2015.01 - EP US)

Cited by
WO2013117273A1; US9803270B2; DE102010037254A1; WO2012028465A1; US9279175B2

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