

Title (en)

Crash resistant aluminium alloy sheet products and method of making same

Title (de)

Stossresistente Blechprodukte aus Aluminiumlegierung und Verfahren zu deren Herstellung

Title (fr)

Une Tôle en alliage d'Aluminium résistant au choc et son procédé de fabrication

Publication

EP 1433866 A2 20040630 (EN)

Application

EP 03029804 A 20031223

Priority

US 43612302 P 20021223

Abstract (en)

Aluminum sheet products having high strengths and favorable crashworthiness are disclosed. The aluminum alloys include Si, Mg and Mn in controlled amounts which provide high yield strengths while retaining formability and crash resistant properties. The sheet products undergo heat treatment and slow quenching. The sheet products are particularly suitable for use as auto body sheet products.

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IPC 8 full level

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CPC (source: EP US)

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