

Title (en)

COMPOSITION AND PROCESS FOR ENHANCED PROPERTIES OF FERROUS COMPONENTS

Title (de)

ZUSAMMENSETZUNG UND VERFAHREN FÜR VERBESSERTE EIGENSCHAFTEN VON EISENHALTIGEN BAUTEILEN

Title (fr)

COMPOSITION ET PROCESSUS PERMETTANT DE RENFORCER LES PROPRIETES DE COMPOSANTS FERREUX

Publication

EP 1831408 A4 20100721 (EN)

Application

EP 05853711 A 20051213

Priority

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- US 63861204 P 20041223

Abstract (en)

[origin: WO2006071502A2] Components, such as gears and other transmission components, are formed by near-net-forging a high strength, high toughness ferrous metal alloy, surface processing metal alloy to form a hardened surface region, and coating the surface region with a lubricious coating.

IPC 8 full level

C21D 1/06 (2006.01); **C21D 1/18** (2006.01); **C21D 1/78** (2006.01); **C21D 6/00** (2006.01); **C21D 6/02** (2006.01); **C21D 6/04** (2006.01); **C21D 7/13** (2006.01); **C21D 9/32** (2006.01); **C23C 8/38** (2006.01); **C23C 8/46** (2006.01); **C23C 8/50** (2006.01); **C23C 8/56** (2006.01); **C23C 14/06** (2006.01); **C23C 16/26** (2006.01)

CPC (source: EP KR US)

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- See references of WO 2006071502A2

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