

Title (en)

METHODS FOR ENHANCING LUBRICITY OF SURFACES

Title (de)

VERFAHREN ZUR ERHÖHUNG DER LUBRIZITÄT VON OBERFLÄCHEN

Title (fr)

PROCÉDÉS PERMETTANT D'ACCROÎTRE LE POUVOIR LUBRIFIANT DE SURFACES

Publication

**EP 2279287 A2 20110202 (EN)**

Application

**EP 09731485 A 20090416**

Priority

- US 2009040791 W 20090416
- US 4559308 P 20080416
- US 4592108 P 20080417

Abstract (en)

[origin: WO2009129380A2] The invention relates to methods for enhancing the lubricity of a surface by forming at least one metal oxide on the surface. In some embodiments, the metal oxide enhances the lubricity, and in other embodiments, the metal oxide works with another lubricant to further enhance lubricity. The wear rate of a metal surface is reduced dramatically when at least one metal oxide is formed on the surface, in some embodiments.

IPC 8 full level

**C23C 28/00** (2006.01); **C23C 22/05** (2006.01); **C23C 30/00** (2006.01)

CPC (source: EP US)

**C10M 103/06** (2013.01 - EP); **C23C 8/02** (2013.01 - EP US); **C23C 8/10** (2013.01 - EP); **C23C 18/1216** (2013.01 - EP); **C23C 18/1241** (2013.01 - EP); **C23C 26/00** (2013.01 - EP); **C10M 2201/0413** (2013.01 - EP); **C10M 2201/0653** (2013.01 - EP); **C10M 2201/0663** (2013.01 - EP); **C10M 2203/1006** (2013.01 - EP); **C10M 2205/0285** (2013.01 - EP); **C10M 2205/143** (2013.01 - EP); **C10M 2205/163** (2013.01 - EP); **C10M 2205/183** (2013.01 - EP); **C10M 2207/2805** (2013.01 - EP); **C10M 2207/401** (2013.01 - EP); **C10M 2211/0206** (2013.01 - EP); **C10M 2211/063** (2013.01 - EP); **C10M 2213/0623** (2013.01 - EP); **C10M 2229/025** (2013.01 - EP); **C10N 2010/08** (2013.01 - EP); **C10N 2010/10** (2013.01 - EP); **C10N 2010/12** (2013.01 - EP); **C10N 2010/14** (2013.01 - EP US); **C10N 2010/16** (2013.01 - EP US); **Y02T 50/60** (2013.01 - US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**WO 2009129380 A2 20091022**; **WO 2009129380 A3 20100114**; CA 2721790 A1 20091022; EP 2279287 A2 20110202

DOCDB simple family (application)

**US 2009040791 W 20090416**; CA 2721790 A 20090416; EP 09731485 A 20090416