

Title (en)

IRON-BASED POWDER COMPOSITION INCLUDING A SILANE LUBRICANT

Title (de)

PULVERZUSAMMENSETZUNG AUF EISENBASIS MIT EINEM SILANSCHMIERMITTEL

Title (fr)

POUDRE A BASE DE FER CONTENANT UN SILANE LUBRIFIANT

Publication

**EP 1554070 B1 20100714 (EN)**

Application

**EP 03751716 A 20031022**

Priority

- SE 0301632 W 20031022
- SE 0203133 A 20021022

Abstract (en)

[origin: WO2004037467A1] The invention concerns a powder composition including an iron or iron based powder and a lubricating amount of an alkylalkoxy or polyetheralkoxy silane, wherein the alkyl or polyether group has between 8 and 30 carbon atoms and the alkoxi group includes 1-3 carbon atoms.

IPC 8 full level

**B22F 1/00** (2022.01); **B22F 1/052** (2022.01); **B22F 1/10** (2022.01); **C22C 33/02** (2006.01)

CPC (source: EP KR US)

**B22F 1/00** (2013.01 - EP KR US); **B22F 1/052** (2022.01 - EP KR US); **B22F 1/10** (2022.01 - EP KR US); **C22C 33/02** (2013.01 - EP US); **B22F 2003/023** (2013.01 - EP)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2004037467 A1 20040506**; AT E473823 T1 20100715; AU 2003269785 A1 20040513; AU 2003269785 B2 20070118; BR 0314361 A 20050719; BR 0314361 B1 20130604; CA 2497383 A1 20040506; CA 2497383 C 20120710; CN 100528416 C 20090819; CN 1705534 A 20051207; DE 60333383 D1 20100826; EP 1554070 A1 20050720; EP 1554070 B1 20100714; ES 2348522 T3 20101207; JP 2006503982 A 20060202; JP 4668620 B2 20110413; KR 101064429 B1 20110914; KR 20050067422 A 20050701; MX PA05004255 A 20050705; PL 207923 B1 20110228; PL 375099 A1 20051114; RU 2005115465 A 20060120; RU 2329121 C2 20080720; SE 0203133 D0 20021022; TW 200420372 A 20041016; TW I311507 B 20090701; ZA 200501301 B 20061025

DOCDB simple family (application)

**SE 0301632 W 20031022**; AT 03751716 T 20031022; AU 2003269785 A 20031022; BR 0314361 A 20031022; CA 2497383 A 20031022; CN 200380101930 A 20031022; DE 60333383 T 20031022; EP 03751716 A 20031022; ES 03751716 T 20031022; JP 2004546604 A 20031022; KR 20057006890 A 20031022; MX PA05004255 A 20031022; PL 37509903 A 20031022; RU 2005115465 A 20031022; SE 0203133 A 20021022; TW 92129279 A 20031022; ZA 200501301 A 20031022