

Title (en)  
NEW POWDER MIXTURE

Title (de)  
NEUE PULVERMISCHUNG

Title (fr)  
NOUVEAU MÉLANGE DE POUDRE

Publication  
**EP 3354758 A1 20180801 (EN)**

Application  
**EP 17153509 A 20170127**

Priority  
EP 17153509 A 20170127

Abstract (en)  
The present invention relates to a new pre-alloyed metal based powder, intended to be used in surface coating of metal parts. The powder is deposited using e.g. laser cladding or plasma transfer arc welding (PTA), or thermal spray (e.g. HVOF). The powder is useful for reducing friction and improving wear reducing properties of the deposited coating. Such coatings may also improve machinability. As friction or wear reducing component, inclusions of manganese sulphide or tungsten sulphide in the pre-alloyed powder may be used.

IPC 8 full level  
**C22C 19/05** (2006.01); **B22F 1/05** (2022.01); **C23C 4/06** (2016.01)

CPC (source: EP US)  
**B22F 1/05** (2022.01 - EP US); **C22C 19/05** (2013.01 - EP US); **C23C 4/06** (2013.01 - EP); **C23C 4/067** (2016.01 - US); **C23C 4/134** (2016.01 - US); **C23C 24/103** (2013.01 - EP); **B22F 2301/052** (2013.01 - US); **B22F 2301/35** (2013.01 - US); **B22F 2302/40** (2013.01 - US); **B22F 2303/20** (2013.01 - US); **B22F 2303/30** (2013.01 - US); **B22F 2304/058** (2013.01 - US); **B22F 2304/15** (2013.01 - US)

Citation (applicant)  

- WO 2014090922 A2 20140619 - HOEGANAES AB PUBL [SE]
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Citation (search report)  

- [AD] WO 2014090922 A2 20140619 - HOEGANAES AB PUBL [SE]
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- [A] US 4031278 A 19770621 - PATEL MAHESH S
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AL 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 RS SE SI SK SM TR

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**EP 3354758 A1 20180801**; CN 110225986 A 20190910; US 2019388964 A1 20191226; WO 2018138247 A1 20180802

DOCDB simple family (application)  
**EP 17153509 A 20170127**; CN 201880008470 A 20180126; EP 2018051935 W 20180126; US 201816480517 A 20180126