

Title (en)

COMPONENT, USE OF A COMPONENT, AND METHOD FOR PRODUCING A WEAR-RESISTANT AND FRICTION-REDUCING COMPONENT

Title (de)

BAUTEIL, VERWENDUNG EINES BAUTEILS SOWIE VERFAHREN ZUR HERSTELLUNG EINES VERSCHLEIßBESTÄNDIGEN UND REIBUNGSREDUZIERENDEN BAUTEILS

Title (fr)

PIÈCE, UTILISATION D'UNE PIÈCE ET PROCÉDÉ DE FABRICATION D'UNE PIÈCE RÉDUISANT LE FROTTEMENT ET RÉSISTANTE À L'USURE

Publication

EP 3143182 A1 20170322 (DE)

Application

EP 15711040 A 20150205

Priority

- DE 102014209309 A 20140516
- DE 2015200065 W 20150205

Abstract (en)

[origin: WO2015172775A1] The invention relates to a component (10), wherein at least one surface (12) is at least partially provided with a layer system (14). According to the invention, the layer system (14) is formed of a tetrahedral, hydrogen-free, amorphous first carbon layer (16) applied to the at least one surface (12) of the component (10), onto which first carbon layer a hydrogen-free amorphous second carbon layer (18) is applied.

IPC 8 full level

C23C 28/04 (2006.01)

CPC (source: CN EP KR US)

C23C 28/044 (2013.01 - CN EP KR US); **C23C 28/046** (2013.01 - CN EP KR US); **F16G 15/12** (2013.01 - US)

Citation (search report)

See references of WO 2015172775A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2015172775 A1 20151119; CN 106255776 A 20161221; DE 102014209309 A1 20151203; EP 3143182 A1 20170322; JP 2017515979 A 20170615; KR 20170031095 A 20170320; US 2017097065 A1 20170406

DOCDB simple family (application)

DE 2015200065 W 20150205; CN 201580022316 A 20150205; DE 102014209309 A 20140516; EP 15711040 A 20150205; JP 2016568047 A 20150205; KR 20167034900 A 20150205; US 201515311679 A 20150205