

Title (en)  
SURFACE MODIFIED STAINLESS STEEL

Title (de)  
OBERFLÄCHENMODIFIZIERTER NICHTROSTENDER STAHL

Title (fr)  
ACIER INOXYDABLE A SURFACE MODIFIEE

Publication  
**EP 1518002 A1 20050330 (EN)**

Application  
**EP 03738843 A 20030702**

Priority  
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• SE 0202107 A 20020703

Abstract (en)  
[origin: WO2004005572A1] The present invention relates to a stainless steel, which after nitriding exhibits a hardened surface layer with a hardness of at least 1200 Hv and which is in form of wire, plate, strip, tube and pipe and other geometries, especially complex geometries, particularly useful in applications with high demands on a combination of high strength and/or toughness and wear resistance and as substrate for coating.

IPC 1-7  
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IPC 8 full level  
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CPC (source: EP US)  
**C22C 38/06** (2013.01 - EP US); **C22C 38/42** (2013.01 - EP US); **C22C 38/44** (2013.01 - EP US); **C22C 38/50** (2013.01 - EP US); **C23C 8/26** (2013.01 - EP US)

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