

Title (en)  
ALLOY, PROTECTIVE LAYER, AND COMPONENT

Title (de)  
LEGIERUNG, SCHUTZSCHICHT UND BAUTEIL

Title (fr)  
ALLIAGE, COUCHE PROTECTRICE ET ÉLÉMENT

Publication  
**EP 2524063 A1 20121121 (DE)**

Application  
**EP 11700398 A 20110110**

Priority  
• EP 10000223 A 20100112  
• EP 2011050221 W 20110110  
• EP 11700398 A 20110110

Abstract (en)  
[origin: EP2354260A1] Alloy comprises (in wt.%) cobalt (18-22 (preferably 19-21)), chromium (22-26 (preferably 23-25)), aluminum (6-8 (preferably 6.5-7.5)), at least one element comprising scandium or rare earth elements, preferably yttrium (0.5-0.7), and nickel (balance). Independent claims are included for: (1) a protective layer (7) for protecting a component against corrosion and/or oxidation, preferably at high temperatures, comprising the composition of the alloy, and is present as a single layer; and (2) the component, preferably a component of a gas turbine, preferably in which a substrate (4) of the component is nickel-based or cobalt-based, comprising the protective layer, preferably a metallic protective layer, in which a ceramic thermal barrier layer (10) is applied on the protective layer.

IPC 8 full level  
**C22C 19/05** (2006.01)

CPC (source: EP US)  
**C22C 19/055** (2013.01 - EP US); **Y10T 428/12535** (2015.01 - EP US)

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