

Title (en)  
SLIDING ELEMENT HAVING ADJUSTABLE PROPERTIES

Title (de)  
GLEITELEMENT MIT EINSTELLBAREN EIGENSCHAFTEN

Title (fr)  
ÉLÉMENT COULISSANT AUX PROPRIÉTÉS AJUSTABLES

Publication  
**EP 2417278 A1 20120215 (DE)**

Application  
**EP 09763853 A 20091123**

Priority  
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Abstract (en)  
[origin: WO2010115448A1] The invention relates to a sliding element, particularly a piston ring for an internal combustion machine, comprising a substrate; and a wear protection coating obtained by thermal spraying of a powder comprising the element proportions 2-50 percent by weight of iron, FE; 5-60 percent by weight of tungsten, W; 5-40 percent by weight of chromium, Cr; 5-25 percent by weight of nickel, Ni; 1-5 percent by weight molybdenum, Mo; 1-10 carbon, C; and 0.1-2 percent by weight silicon, Si; and a run-in coating, obtained by thermally spraying a powder comprising the element proportions 60-95 percent by weight nickel; 5-40 percent by weight carbon.

IPC 8 full level  
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