

Title (en)

Method for producing unitary oxidic layers on metallic substrates and apparatus for carrying out the process

Title (de)

Verfahren zur Herstellung einheitlicher Oxidationsschichten auf metallischen Werkstücken und Vorrichtung zur Durchführung des Verfahrens

Title (fr)

Procédé pour la formation de couches d'oxydes unitaires sur des substrats métalliques et dispositif pour réaliser le procédé

Publication

**EP 0655512 B1 20000719 (DE)**

Application

**EP 94116881 A 19941026**

Priority

DE 4339404 A 19931118

Abstract (en)

[origin: EP0655512A1] To achieve unitary (uniform) oxidic (oxidation) layers and defined surface properties, a process is provided for producing oxidic layers on metallic substrates subsequent to a nitridation (nitriding) or nitrocarburation process, in which the oxygen potential present in the oxidising atmosphere is continually determined, the measurement result is compared with a predetermined set value and, in the case of deviations, the oxidising atmosphere is modified until the measurement result agrees with the set value. <IMAGE>

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**C23C 8/34**

IPC 8 full level

**C23C 8/34** (2006.01)

CPC (source: EP)

**C21D 1/06** (2013.01); **C23C 8/34** (2013.01)

Cited by

EP1122331A1; CN1322161C; EP2497839A1; ITMI20110366A1; US7160576B2; WO2023104385A1; WO2007009521A1; WO03052158A1

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