

Title (en)

A method of coating a metal surface so as to render it non-stick and abrasion-resistant.

Title (de)

Verfahren zur Herstellung von nichtklebrigen und abriebfesten Überzügen auf einer Metalloberfläche.

Title (fr)

Procédé pour revêtir une surface métallique pour la rendre non adhérente et résistante à l'abrasion.

Publication

EP 0092309 A1 19831026 (EN)

Application

EP 83301270 A 19830308

Priority

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Abstract (en)

In order to achieve a non-stick surface which is significantly harder wearing than hitherto, metal surface a is sand or shot blast and stainless steel or molybdenum is applied thereto so as to cover not less than 65% and not more than 90% thereof and provide a pervious intermediate substrate b having a micro-crenellated surface. Thereafter, a primer coat is applied to penetrate pervious layer b and finally a top coat, consisting primarily of a nonstick agent c, such as P.T.F.E, is applied so as to form a matrix of stainless steel or molybdenum impregnated with and covered by the non-stick agent.

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [Y] LU 52870 A1 19670324
- [Y] FR 2114218 A5 19720630 - TEFAL SA
- [A] FR 2055735 A1 19710430 - SAIMAP STE, et al
- [A] FR 1525920 A 19680524
- [A] FR 2088574 A5 19720107 - TEFAL SA

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Designated contracting state (EPC)

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EP 0092309 A1 19831026; AU 1259283 A 19831027; DE 3232726 A1 19831020; DK 394582 A 19831021; ES 521045 A0 19840516; ES 8405083 A1 19840516; GB 2118458 A 19831102; GB 8304274 D0 19830323; ZA 832048 B 19831228

DOCDB simple family (application)

EP 83301270 A 19830308; AU 1259283 A 19830318; DE 3232726 A 19820903; DK 394582 A 19820903; ES 521045 A 19830328; GB 8304274 A 19830216; ZA 832048 A 19830323