

United States Patent [19]

Oka et al.

[11] Patent Number: **4,898,775**

[45] Date of Patent: **Feb. 6, 1990**

[54] PAINT COATED METAL SHEETS

[75] Inventors: **Joji Oka; Ryoji Nishioka**, both of Kanagawa, Japan

[73] Assignee: **Nippon Steel Corporation**, Tokyo, Japan

[21] Appl. No.: **349,934**

[22] Filed: **May 8, 1989**

Related U.S. Application Data

[63] Continuation of Ser. No. 141,955, Jan. 11, 1988, abandoned, which is a continuation-in-part of Ser. No. 120,776, Nov. 16, 1987, abandoned, which is a continuation of Ser. No. 856,160, Apr. 25, 1986, abandoned.

Foreign Application Priority Data

Apr. 27, 1985 [JP] Japan 60-89933
Apr. 22, 1986 [AU] Australia 56486/86
Apr. 25, 1986 [CA] Canada 507657

[51] Int. Cl.⁴ **B32B 15/08; B32B 27/06**

[52] U.S. Cl. **428/336; 428/421; 428/422; 428/463**

[58] Field of Search **428/463, 422, 421, 457, 428/336, 409; 106/14.5**

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Primary Examiner—Thomas J. Herbert

Attorney, Agent, or Firm—Cushman, Darby & Cushman

[57] ABSTRACT

Paint coated metal sheets are provided by applying a paint film on a metal sheet wherein the paint film has a surface layer having a thickness of one-5000 angstroms. The paint film contains fluorine atoms and/or perfluoroalkyl groups such as methyl fluoride, ethyl fluoride, the fluorine atoms and/or perfluoroalkyl groups being introduced in the paint film by a plasma treatment.

3 Claims, 5 Drawing Sheets

