

Title (en)
PROCESS FOR TREATING ALUMINIUM SURFACES

Publication
EP 0158287 A3 19870506 (DE)

Application
EP 85104110 A 19850404

Priority
JP 7133484 A 19840410

Abstract (en)
[origin: JPS60215772A] PURPOSE:To form an aluminum fluoride-base film having superior hydrophilic property and corrosion resistance by treating the surface of Al or an Al alloy with a treating soln. having a specified composition contg. F. CONSTITUTION:Al or Al alloy parts such as the fins of a heat exchanger are treated with a treating soln. of 3-7pH at 40-100 deg.C. The treating soln. is prepd. by charging an aqueous soln. contg. 0.7-14g/l alkali metal such as Na, K or Li, 0.4-8g/l Si, 2-34g/l F and 0.01-1.5g/l Zn into an iron tank so as to add 0.05-1.0g/l Fe to the soln. Said amount of Fe may be added without using the iron tank, and part of insoluble matter may be suspended. By the treatment an Na3AlF6-base film contg. small amounts of Zn, Fe and Si is formed on each of the parts. The film is then chromated with a conventional chromating soln. to form a film having superior hydrophilic property and corrosion resistance.

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C23C 22/34; **C23C 22/68**

IPC 8 full level
C23C 22/34 (2006.01); **C23C 22/68** (2006.01); **F28F 13/18** (2006.01)

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