

## SURFACE-TREATED ALUMINUM MATERIAL AND METHOD OF MANUFACTURING THE SAME

5 [Document Name] ABSTRACT

10 A surface-treated aluminum material (1) has: a base material (2), which is composed of aluminum or aluminum alloy; and a protective film (3), which is formed on the base material (2). The protective film (3) has an oxide layer (31), which is composed of an oxide or oxides of aluminum and covers the base material (2), and a hydrated oxide layer (32), which contains a hydrated oxide or hydrated oxides of aluminum and covers the oxide layer (31). In a situation in which a SWAAT test according to a method stipulated in ASTM-G85-A3 has been performed on the surface-treated aluminum material (1) after it had been heated at a temperature of 200°C for 1 hour, the number of corrosion sites that have reached the base material, which occur on the surface of the surface-treated aluminum material when 48 hours have elapsed since the start of the test, is 1.0 sites/cm<sup>2</sup> or fewer.

[Fig. 1]