

[Abstract]

The plated steel material is a plated steel material including a steel material and a plating layer provided on the surface of the steel material, wherein the plating layer has a predetermined average chemical composition, when the amount of Mg is %Mg and the
5 amount of Al is %Al, %Mg/%Al is 0.80 or more, and a metal structure in a total field of view of $25,000\ \mu\text{m}^2$ in a vertical cross section which is a cross section in a thickness direction of the plating layer includes 10 to 40 area% of a MgZn_2 phase, 10 to 30 area% of an Al-Zn phase with a Zn content of 10% or more, 0 to 15 area% of an Al phase with a
10 Zn content of less than 10%, and 25 area% or more of an Al/ MgZn_2 /Zn ternary eutectic structure.

FIG. 1