

ABSTRACT

COATED STEEL SHEET

A coated steel sheet including a steel sheet and a coating layer provided on at least part of the surface of the steel sheet, in which the coating layer has a predetermined chemical composition in terms of % by mass; in which the coating layer has a laminar Mg_2Sn phase-containing structure in an area fraction of from 5 to 65%, and a structure containing a solid solution of Zn and Al; and the laminar Mg_2Sn phase-containing structure is a structure constituted with a Zn phase and a laminar Mg_2Sn phase having a thickness of less than 1 μm , and in which the laminar Mg_2Sn phase exists dividing the Zn phase into plural regions.

[Fig. 1]