

PRE-COATED METAL SHEET FOR SLOT-IN DRIVE CASES

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ABSTRACT OF THE DISCLOSURE

10 A pre-coated metal sheet for slot-in drive cases which has a metal sheet; chemical conversion coatings formed on both sides of the metal sheet; and a coating film formed on one of the chemical conversion coatings and containing at least one base resin selected from a polyester-series resin, an epoxy-series resin and an acrylic-series resin, at least one resin beads selected from nylon-series resin beads, fluorine-series resin beads and urethane-series resin beads, and at least one lubricant a3 selected from carnauba wax, polyethylene wax and microcrystalline wax. The coating film has a surface having an arithmetical mean deviation of the assessed profile Ra of 0.3 to 4.5 μm and a mean width of the profile elements, RSm, of 105 to 280 μm , and the ratio of mean particle diameter of the resin beads to coating film layer thickness of the coating film is in the range of 2.0 to 3.0.

FIG 1