

Title (en)  
COATING OF WAX-LIKE MATERIALS ONTO MOVING STRIP ARTICLES

Title (de)  
BESCHICHTEN VON MATERIALBAHNEN MIT WACHSARTIGEN STOFFEN

Title (fr)  
ENDUCTION DE BANDES MOBILES AVEC DES MATIERES CEROIDES

Publication  
**EP 0793538 B1 20000112 (EN)**

Application  
**EP 95937744 A 19951123**

Priority  
• CA 9500658 W 19951123  
• US 34456494 A 19941123

Abstract (en)  
[origin: WO9615857A1] A process of coating a heat-conductive strip article, e.g. aluminum or aluminum alloy strip (14) used in the automotive industry, with a solid wax-like coating material, preferably a wax-type lubricant. The process involves heating a solid wax-like coating material that melts in a temperature range of about 30 to 100 DEG C to form a melt having a viscosity in a range of about 50 centipoise or less and flowing the melt onto a moving surface of the strip article through an elongated slot (15) in a movable coating head having an extended surface adjacent to the slot to form a coating layer on the article. The coating head is pushed towards the surface of the strip article as the melt is flowed as a coating onto the surface from the slot (15) to reduce a coating thickness by pressing the extended surface of the coating head onto the coating as the coating is formed. The process allows a coating of a wax-like material to be formed to a desired thickness and yet allows the wax-like material to solidify shortly after application to the strip article (14) so that the strip can be coiled without providing a cooling run of undue length or special cooling devices.

IPC 1-7  
**B05C 5/02**; **B05C 9/04**; **B05C 11/10**

IPC 8 full level  
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