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

B05D 1/26 (2006.01); **B05C 5/00** (2006.01); **B05C 5/02** (2006.01); **B05C 9/04** (2006.01); **B05C 11/10** (2006.01); **B05D 7/14** (2006.01); **B05D 7/24** (2006.01)

CPC (source: EP KR)

B05C 5/001 (2013.01 - EP KR); **B05C 5/0254** (2013.01 - EP); **B05C 5/0266** (2013.01 - EP KR); **B05C 5/0295** (2013.01 - EP KR); **B05C 9/04** (2013.01 - EP KR); **B05C 11/1042** (2013.01 - EP KR)

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

WO 9615857 A1 19960530; AT 188631 T 20000115; AU 3866395 A 19960617; AU 690367 B2 19980423; BR 9509911 A 19971014; CA 2205659 A1 19960530; CA 2205659 C 20010123; CN 1070390 C 20010905; CN 1166797 A 19971203; DE 69514542 D1 20000217; DE 69514542 T2 20000531; EP 0793538 A1 19970910; EP 0793538 B1 20000112; JP H10509637 A 19980922; KR 980700132 A 19980330; NO 972342 D0 19970522; NO 972342 L 19970522

DOCDB simple family (application)

CA 9500658 W 19951123; AT 95937744 T 19951123; AU 3866395 A 19951123; BR 9509911 A 19951123; CA 2205659 A 19951123; CN 95196411 A 19951123; DE 69514542 T 19951123; EP 95937744 A 19951123; JP 51640696 A 19951123; KR 19970703462 A 19970523; NO 972342 A 19970522