

Title (en)

Conveyance apparatus for ultrathin webs comprising a roller with contoured surface

Title (de)

Vorrichtung zum Führen von ultradünnen Bahnen mit einer Transportrolle mit profilierter Oberfläche

Title (fr)

Appareil pour transporter des bandes ultrafines comprenant un rouleau avec surface profilée

Publication

EP 0705786 B1 20011219 (EN)

Application

EP 95115687 A 19951005

Priority

US 32007694 A 19941007

Abstract (en)

[origin: EP0705786A2] A web conveying roller (18) is provided with circumferentially or spirally extending grooves (42) and lands (44), the lands having convex curvatures (46, 48; 54) to cause a conveyed, ultrathin web (30), at the beginning of a wrap angle (α) onto the roller, to undulate along the width of the roller over the lands and into the grooves while remaining spaced from the convex curvatures of the lands; so that, air entrained between the web and the lands can flow into the grooves. <IMAGE>

IPC 1-7

B65H 27/00

IPC 8 full level

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CPC (source: EP)

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Cited by

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EP 0705786 A2 19960410; **EP 0705786 A3 19961120**; **EP 0705786 B1 20011219**; DE 69524705 D1 20020131; DE 69524705 T2 20020814; JP H08175727 A 19960709

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