

Title (en)  
Coating process and apparatus.

Title (de)  
Beschichtungsverfahren und -vorrichtung.

Title (fr)  
Appareil et procédé de revêtement.

Publication  
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Application  
**EP 94400932 A 19940429**

Priority  
US 5636193 A 19930430

Abstract (en)  
The invention includes a method and apparatus for applying a single or multiple layer coating material to a substrate (30) using a generally cylindrical application roller (26). First and second coating materials are extruded and join together to form a multiple layer coating material. Additional layers may be similarly provided if desired. The multiple layer coating material may then be transferred on the peripheral surface (24) of the application roller to a substrate, such as paper. The application roller may be rotated to produce a surface velocity that is greater than the velocity of the extruded multiple layer coating material, to draw the material and provide a thin multiple coating layer. Furthermore, the substrate may be conveyed past the application interface at a velocity greater than the surface velocity of the application roller, to provide further drawing of the multiple layer coating material. <IMAGE>

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Citation (search report)  
• [YA] EP 0031301 A1 19810701 - CIBA GEIGY AG [CH]  
• [A] FR 1359975 A 19640430 - WOLFF & CO  
• [Y] PATENT ABSTRACTS OF JAPAN vol. 16, no. 190 (C - 0937) 8 May 1992 (1992-05-08)

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