

Title (en)  
HIGH SPEED CURTAIN COATING PROCESS AND APPARATUS

Publication  
**EP 0390774 B1 19920715 (EN)**

Application  
**EP 88900199 A 19871203**

Priority  
US 8703190 W 19871203

Abstract (en)  
[origin: WO8905477A1] In a process of curtain coating, the use of very high coating speeds is facilitated by application to the surface of the object to be coated of a predetermined high level of electrostatic polar charge. The level of charge which is effective to promote the desired uniformity of coating with minimum formation of coating defects is directly related to the coating speed, so that increasingly higher levels of charge are needed as coating speed is increased. The process is particularly useful for coating photographic materials, such as multi-layer photographic films and papers.

IPC 1-7  
**B05D 3/14**; **G03C 1/74**; **H05F 3/04**

IPC 8 full level  
**B05C 5/00** (2006.01); **B05D 1/30** (2006.01); **B65H 23/188** (2006.01); **G03C 1/74** (2006.01)

CPC (source: EP)  
**B65H 23/188** (2013.01); **G03C 1/74** (2013.01); **B65H 2301/3112** (2013.01); **G03C 1/915** (2013.01); **G03C 2001/7433** (2013.01)

Citation (examination)  
US 3508947 A 19700428 - HUGHES DONALD J

Cited by  
US6399157B1; US6517909B1; US6511711B2; US6638576B2; US6305854B1; US6572516B2

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