

Title (en)  
APPARATUS AND PROCESS FOR REMOVING TRANSVERSE THICKENINGS IN COATINGS

Publication  
**EP 0041152 A3 19820915 (DE)**

Application  
**EP 81103585 A 19810511**

Priority  
DE 3019459 A 19800521

Abstract (en)  
[origin: US4416919A] The invention relates to an apparatus and to a method for removing thickenings in layers which are produced transversely to the direction of travel of the web after the coating of continuously moving webs with liquids whereby the coated web is deflected by a web guide element and two air jets pointing towards each other are directed to a small angle  $\alpha$  towards the layer of the web from below the deflecting point as air blades which are actuated when thickenings appear in the layer and which scrape off the particles of the thickening and blow them into a vacuum tank which is sprinkled all over with water and the water and particles are supplied to a vacuum generating device which, in turn, is evacuated by a jet suction device without interrupting the vacuum.

IPC 1-7  
**G03C 1/74**

IPC 8 full level  
**B05C 11/06** (2006.01); **B05D 3/04** (2006.01); **G03C 1/74** (2006.01)

CPC (source: EP US)  
**B05C 11/06** (2013.01 - EP US); **G03C 1/74** (2013.01 - EP US); **G03C 2001/7403** (2013.01 - EP US); **Y10S 430/136** (2013.01 - EP US)

Citation (search report)  
• [A] DE 2263714 A1 19730802 - BACHOFEN & MEIER MASCHF  
• [A] NL 7004975 A 19711011  
• [A] PATENTS ABSTRACTS OF JAPAN, Band 4, Nr. 22(C-74), 23. Februar 1980, Seite 34C74 & JP - A - 54 159 452 (FUJI SHASHIN FILM K.K.) 17-12-1979

Designated contracting state (EPC)  
BE CH DE FR GB IT

DOCDB simple family (publication)  
**EP 0041152 A2 19811209; EP 0041152 A3 19820915; EP 0041152 B1 19840711**; DE 3019459 A1 19811126; DE 3164700 D1 19840816; JP S5716450 A 19820127; US 4416919 A 19831122

DOCDB simple family (application)  
**EP 81103585 A 19810511**; DE 3019459 A 19800521; DE 3164700 T 19810511; JP 7364181 A 19810518; US 26328281 A 19810513