

Title (en)

STRUCTURED ROLLERS IN THE CALENDERING AND POST-CALENDERING PROCESS

Title (de)

STRUKTURIERTE WALZEN IM KALANDER - UND NACHKALANDRIERPROZESS

Title (fr)

CYLINDRES STRUCTURÉS DANS UN PROCESSUS DE CALANDRAGE ET DE RECALDRAGE

Publication

**EP 3749463 A1 20201216 (DE)**

Application

**EP 19703677 A 20190204**

Priority

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- EP 2019052675 W 20190204

Abstract (en)

[origin: WO2019149944A1] With a calendering apparatus, configured and set up to process a fluid that has been rendered adhesive or is inherently adhesive, wherein the processing typically involves the forming of the fluid into a film of defined layer thickness, the application of the fluid to a carrier material, post-calendering, or a combination of at least two of the above-mentioned processes, comprising a feed device for feeding the fluid, a multi-roller mechanism having at least two calendering rollers and at least one calendering nip for processing the fluid, in which at least one of the at least two calendering rollers has an average roughness depth Rz of between 5 µm and 15 µm, in particular between 9 µm and 13 µm, the processing of even very adhesive polymers is allowed.

IPC 8 full level

**B05C 1/00** (2006.01); **B05C 1/08** (2006.01); **B05C 11/02** (2006.01); **B05C 11/10** (2006.01); **B29C 43/24** (2006.01); **C09J 7/38** (2018.01)

CPC (source: EP US)

**B05C 1/003** (2013.01 - EP); **B05C 1/0808** (2013.01 - EP); **B05C 1/0834** (2013.01 - EP); **B05C 11/025** (2013.01 - EP); **B29C 43/24** (2013.01 - EP US); **B29C 43/28** (2013.01 - US); **B29C 43/34** (2013.01 - US); **B29C 43/46** (2013.01 - EP US); **B32B 5/024** (2013.01 - US); **C09J 7/38** (2018.01 - EP); **B29C 43/28** (2013.01 - EP); **B29C 2043/461** (2013.01 - EP); **B29C 2043/462** (2013.01 - US); **B29K 2105/0097** (2013.01 - US); **B29K 2995/0072** (2013.01 - EP); **B29K 2995/0073** (2013.01 - EP); **B32B 2307/718** (2013.01 - US); **B32B 2405/00** (2013.01 - US); **C09J 2400/263** (2013.01 - EP); **C09J 2400/283** (2013.01 - EP)

Designated contracting state (EPC)

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