

Title (en)
APPARATUS AND METHOD FOR HYDROENHANCING FABRIC

Publication
EP 0412099 A4 19910410 (EN)

Application
EP 89905247 A 19890414

Priority
• US 8901593 W 19890414
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Abstract (en)
[origin: WO8910441A1] An apparatus (10) and related process for enhancement of woven and knit fabrics through use of dynamic fluids which entangle and bloom fabric yarns. A two stage enhancement process is employed in which top and bottom sides of the fabric are respectively supported on members (22), (34) and impacted with a fluid curtain including high pressure jet streams. Controlled process energies and use of support members (22), (34) having open areas (26), (36) which are aligned in offset relation to the process line produces fabrics having a uniform finish and improved characteristics including, edge fray, drape, stability, abrasion resistance, fabric weight and thickness.

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D04H 1/46

IPC 8 full level
D04H 1/46 (2012.01); **B05B 1/02** (2006.01); **B05B 3/00** (2006.01); **D04H 1/492** (2012.01); **D06B 1/02** (2006.01); **D06C 3/00** (2006.01); **D06C 5/00** (2006.01); **D06C 23/00** (2006.01); **D06C 27/00** (2006.01); **D06C 29/00** (2006.01)

CPC (source: EP KR)
D04H 1/492 (2013.01 - EP); **D04H 18/04** (2013.01 - EP); **D06C 29/00** (2013.01 - EP KR)

Citation (search report)
• [A] EP 0099639 A1 19840201 - MILLIKEN RES CORP [US]
• [A] US 3747161 A 19730724 - KALWAITES F
• [A] US 3917785 A 19751104 - KALWAITES FRANK
• See references of WO 8910441A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

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