

Title (en)  
LYOCELL FILAMENT DENIM

Title (de)  
LYOCELL FILAMENT DENIM

Title (fr)  
DENIM À FILAMENTS LYOCELLULAIRES

Publication  
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Application  
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Abstract (en)  
[origin: EP3467171A1] The invention relates to a denim fabric as it is used for clothes (1). The fabric is made from weft yarns (4) and warp yarns (6). At least one of the warp yarns and the weft yarns contains or consists of lyocell filaments (8). The resulting material combines high mechanical strength against wear and tear with superior softness, smoothness and luster. Furthermore, the denim according to the invention is bleachable. The denim according to the invention represents a new class of denim alongside existing cotton denims and denims with a silk component.

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Citation (examination)  
• US 2017175302 A1 20170622 - HABICHT CHRISTINE J [US], et al  
• JP 5054596 B2 20121024  
• JP H1018145 A 19980120 - ASAHI CHEMICAL IND  
• JAANUS: "JAANUS", 31 December 2001 (2001-12-31), pages 1 - 2, XP093120827, Retrieved from the Internet <URL:https://www.aisf.or.jp/~jaanus/deta/a/aya.htm> [retrieved on 20240117]  
• KIRIKO: "Japanese Traditional Weaves", 1 January 2024 (2024-01-01), pages 1 - 10, XP093120834, Retrieved from the Internet <URL:https://kirikomade.com/pages/japanese-traditional-weaves> [retrieved on 20240117]

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