

Title (en)  
COLOR-CHANGING FABRIC AND APPLICATIONS

Title (de)  
FARBVERÄNDERNDES GEWEBE UND ANWENDUNGEN

Title (fr)  
TISSU À CHANGEMENT DE COULEUR ET APPLICATIONS

Publication  
**EP 4153799 A1 20230329 (EN)**

Application  
**EP 21808989 A 20210519**

Priority  
• US 202016880793 A 20200521  
• US 2021033216 W 20210519

Abstract (en)  
[origin: WO2021236805A1] A color-changing product includes a fabric and a color-changing fiber embroidered into a portion of the fabric. The color-changing fiber includes an electrically conductive core and a coating disposed around the electrically conductive core. The coating includes a thermochromic pigment. A method for manufacturing a color-changing product includes embroidering the first color-changing fiber into a first portion of the fabric; embroidering the second color-changing fiber into a second portion of the fabric; and electrically connecting the electrically conductive core of the first color-changing fiber and the second color-changing fiber to a power source.

IPC 8 full level  
**D01F 1/00** (2006.01); **C09B 5/26** (2006.01); **C09B 67/08** (2006.01); **G02F 1/163** (2006.01); **G02F 1/167** (2006.01)

CPC (source: EP)  
**C09B 67/0013** (2013.01); **D01F 1/00** (2013.01); **D01F 8/00** (2013.01); **G02F 1/0147** (2013.01); **G02F 1/132** (2013.01)

Citation (search report)  
See references of WO 2021236805A1

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Designated extension state (EPC)  
BA ME

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KH MA MD TN

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**US 2021033216 W 20210519**; EP 21808989 A 20210519