Title (en)

METHODS AND SYSTEMS FOR MAKING AN OPTICAL FUNCTIONAL FILM

Title (de)

VERFAHREN UND SYSTEME ZUR HERSTELLUNG EINES OPTISCHEN FUNKTIONELLEN FILMS

Title (fr)

PROCÉDÉS ET SYSTÈMES DE FABRICATION D'UN FILM OPTIQUE FONCTIONNEL

Publication

EP 4211510 A1 20230719 (EN)

Application

EP 20953493 A 20200930

Priority

- US 202017019243 A 20200912
- US 2020053653 W 20200930

Abstract (en)

[origin: WO2022055520A1] Methods and apparatus are provided for eyeglass lens made using a solution casting process. The method may include providing a first soluble polymer solution. The method may include providing a first dye solution including at least one dye. The method may include adding the first dye solution to the first soluble polymer solution to form a first dyed solution. The method may include casting the first dyed solution to form a first film. The method may include providing a second soluble polymer solution. The method may include providing a second dye solution comprising at least one dye. The method may include adding the second dye solution to the second soluble polymer solution to form a second dyed solution. The method may include casting the second dyed solution onto the first film to form a two-layer film. The method may include laminating or casting the two- layer film to the eyeglass lens.

IPC 8 full level

G02C 7/02 (2006.01); **G02B 1/10** (2015.01)

CPC (source: EP GB KR)

B29D 11/00009 (2013.01 - EP); **B29D 11/00634** (2013.01 - EP); **B29D 11/0073** (2013.01 - EP); **G02B 1/041** (2013.01 - EP GB KR); **G02B 5/223** (2013.01 - EP GB KR); **G02C 7/10** (2013.01 - EP GB KR); G02C 2202/16 (2013.01 - EP GB KR)

C-Set (source: EP)

G02B 1/041 + **C08K 5/0041**

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DOCDB simple family (publication)

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