

Title (en)  
METHODS AND APPARATUS FOR PRODUCING SCORED MEDIUMS, AND ARTICLES AND COMPOSITIONS RESULTING THERE FROM

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG GEKERBTER MEDIEN SOWIE RESULTIERENDE ARTIKEL UND ZUSAMMENSETZUNGEN DARAUS

Title (fr)  
PROCÉDÉS ET APPAREILS POUR PRODUIRE DES SUPPORTS ENTAILLÉS ET ARTICLES ET COMPOSITIONS EN RÉSULTANT

Publication  
**EP 2969526 A4 20160831 (EN)**

Application  
**EP 14762807 A 20140317**

Priority  
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Abstract (en)  
[origin: WO2014146036A1] Methods and apparatus for making scored mediums, particularly but not exclusively for use in the corrugated board arts, and articles of manufacture and compositions made there with and made there by. When at least one scored medium is used in a layered or laminated article, and particularly when selectively used as a liner member and/or fluted member in a corrugated board, whether as part of a corrugated board article of manufacture or a laminate with at least one other member, the article will possess mechanical qualities superior to those that would otherwise exist if a non-scored medium was/were used. To achieve these desired qualities, a major axis of the scores formed in the scored medium runs askew, and preferably perpendicular, to the direction of beam strength in any article or article intermediate to which the scored medium is to be associated.

IPC 8 full level  
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Citation (search report)  
• [X] US 1863973 A 19320621 - ELLIS JR WILLIAM H  
• [X] US 3290205 A 19661206 - ABRAHAM GOLDSTEIN, et al  
• [A] US 2001001410 A1 20010524 - ISHIBUCHI HIROSHI [JP], et al  
• See also references of WO 2014146036A1

Cited by  
US11420417B2; US11420418B2; US10363717B2; US11001027B2; US11027515B2; US11458702B2; US11465386B2; US10800133B2; US11465385B2; US10328654B2; US11027513B2; US11446893B2

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