

Title (en)

COLLAGEN-INFUSED COMPOSITE MATERIALS AND METHODS OF MANUFACTURING THE SAME

Title (de)

COLLAGEN-INFUSIONSVERBUNDMATERIALIEN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

MATÉRIAUX COMPOSITES IMPRÉGNÉS DE COLLAGÈNE ET LEURS PROCÉDÉS DE FABRICATION

Publication

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Application

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Abstract (en)

[origin: WO2020186169A1] The present disclosure provides a collagen-infused composite material comprising an optionally functionalized armature including a base substrate and one or more and non-woven substrates. The non-woven substrate(s) can be directly coupled to a topmost surface and/or bottommost surface of the base substrate. The material properties and/or collagen infusion capacities of the base substrate and the non-woven substrate(s) can be tailored to create a collagen-infused composite material with characteristics that mimic those of a natural leather. In some embodiments, the base substrate can be spacer fabric. In some embodiments, the armature can be functionalized to facilitate the crosslinking the collagen to the armature during one or more tanning processes.

IPC 8 full level

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- No further relevant documents disclosed
- See references of WO 2020186169A1

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