

Title (en)
THREE DIMENSIONAL GLOVE WITH PERFORMANCE-ENHANCING LAYER LAMINATED THERETO

Title (de)
DREIDIMENSIONALER HANDSCHUH MIT DARAUF LAMINierter LEISTUNGSVERBESSERNDER SCHICHT

Title (fr)
GANT TRIDIMENSIONNEL AYANT UNE COUCHE D'AMÉLIORATION DE PERFORMANCE STRATIFIÉE SUR CELUI-CI

Publication
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Application
EP 13822812 A 20130724

Priority
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Abstract (en)
[origin: US2014026290A1] A 3D hand-shaped glove includes a performance-enhancing layer laminated to a fabric glove shell. A flat, solid laminate preform can be prepared with printed graphics, fabric layers, oriented films, dense and/or concentrated fillers, and other features. The 3D hand-shaped glove shell is placed on a 3D laminating form, and the preform is laminated thereto while preserving the 3D shape. In embodiments, the laminating form includes opposing flat surfaces, and a platen or roller press is used. In other embodiments, a bladder or vacuum bag press is used to laminate the preform to a curved or otherwise shaped surface of the laminating form. In embodiments, edge peel resistance is enhanced by extending the perimeter of a low modulus upper layer beyond underlying layers and bonding it directly to the glove shell. Recovery of the glove shell after deformation by the laminating form can provide a warping deformation of the laminate preform.

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