

ABSTRACT OF THE DISCLOSURE

MICRONEEDLE ARRAY AND METHOD OF USE

5 An article (100) comprising at least one microneedle (160) is provided. The article comprises a first side (112) and a second side (114) opposite the first side. The first side comprises a central cavity portion (120) and a platform portion (130), with at least one microneedle extending therefrom, wherein the platform portion is not coplanar with the central cavity portion. The platform portion substantially surrounds the central cavity portion. The at
10 least one microneedle comprises a body comprising an outer surface (163); a base segment (166) having a base (162) and a first shape; a tip segment (168) having a tip and a second shape, wherein the second shape is distinct from the first shape; a transition plane (167) that delineates the base segment and the tip segment; and a central axis (180). Methods of using the article are also provided.

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[Fig. 4]