

Title (en)
NONWOVEN ABRASIVE ARTICLES AND METHODS OF MAKING THE SAME

Title (de)
NICHTGEWEBTE SCHLEIFMITTEL UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)
ARTICLES ABRASIFS NON TISSÉS ET LEURS PROCÉDÉS DE FABRICATION

Publication
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Application
EP 22802725 A 20221102

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Abstract (en)
[origin: WO2023084362A1] A nonwoven abrasive article comprises a lofty open nonwoven fiber web comprising entangled fibers. The fibers have an average diameter, and the fiber web has first and second opposed major surfaces and a porous interior therebetween. An abrasive material is predominantly disposed within the porous interior. The abrasive material comprises abrasive particles at least partially retained in a binder. The abrasive material comprises elongated blobs. Each elongated blob is respectively bonded to at least one of the fibers. The elongated blobs have a minimum width of at least two times the average diameter of the fibers, wherein a majority of the elongated blobs are longitudinally aligned within 40 degrees. The abrasive particles are magnetizable, the elongated blobs further comprise magnetizable particles different from the abrasive particles, or both. Methods of making the nonwoven abrasive article are also disclosed.

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