

Title (en)
IMPREGNATED FILTER

Title (de)
IMPRÄGNIERTER FILTER

Title (fr)
FILTRE IMPREGNE

Publication
EP 1251930 A2 20021030 (EN)

Application
EP 01903286 A 20010125

Priority
• US 0102348 W 20010125
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Abstract (en)
[origin: WO0154796A2] A filter medium for an air filtration system is described. The filter medium includes at least one fiber having a liquid or solid material disposed on an external surface thereof. The fiber can include structures such as an elongated fiber having multiple lobes with a longitudinally extending internal cavity including an opening from the internal cavity to the outer fiber formed between adjacent lobes. The material, which can be disposed within the internal cavity of the fiber, has a high affinity for particulate matter in order to strongly attract and retain the particulate matter, while at the same time not causing a substantial pressure drop across the filter medium.

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