

Title (en)
Unwoven metal fabric and method of manufacturing the same

Title (de)
Metall-Vliesstoff und Verfahren zur dessen Herstellung

Title (fr)
Tissu non tissé métallique et méthode pour sa fabrication

Publication
EP 0686718 A1 19951213 (EN)

Application
EP 95108312 A 19950530

Priority
JP 12750894 A 19940609

Abstract (en)
An unwoven metal fabric suitable for use as a battery electrode, a catalyst or a filter, and a method of manufacturing such fabric. An unwoven carbon fabric made up of carbon fibers bound together by a resin is heated to carbonize the binder resin and thus to impart electrical conductivity to the resin, and at the same time finely roughen the surfaces of the carbon fibers and the resin. A plating layer is directly formed on the unwoven carbon fabric thus formed by electroplating. Then, the unwoven carbon fabric is removed by roasting to provide an aggregate of metal fibers joined together and having their voids communicating with one another. <IMAGE> <IMAGE>

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D04H 1/42

IPC 8 full level
D04H 1/42 (2012.01)

CPC (source: EP US)
D04H 1/4234 (2013.01 - EP); **D04H 1/4242** (2013.01 - EP); **D04H 1/43914** (2020.05 - EP US)

Citation (applicant)
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Citation (search report)
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EP1052321A1; DE19910985A1; DE19910985B4; CN1109132C; DE102009057257A1; DE102009057128A1

Designated contracting state (EPC)
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