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Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

United States Patent

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Michelle K. Lee

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Maier

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(54) **NON-THERMOSET SHEET-LIKE
STRUCTURE FOR A SPIRAL SIEVE, AND
METHOD FOR MANUFACTURING A SPIRAL
SIEVE**

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See application file for complete search history.

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(57) **ABSTRACT**

A method for producing a spiral link fabric with a plurality of spirals joined to one another in an overlapping manner, with a plurality of seam wires stitched into overlapping regions of adjacent spirals and connecting the spirals to one another to form a flat structure, and with a plurality of packing elements introduced into free cross sections of the spirals, wherein the flat structure runs through a thermofixing operation before or after the introduction of the packing elements. The spirals are joined together to form the flat structure such that, before the thermofixing operation, the result is a clear width, as viewed in the plane of the flat structure, for the free cross sections of the spirals connected to one another to form the flat structure, which clear width is larger than a clear height of the free cross section of each spiral.

17 Claims, 3 Drawing Sheets

