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MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL,
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(54) Title: **METHOD FOR MAKING SHAPED FILTRATION ARTICLES**

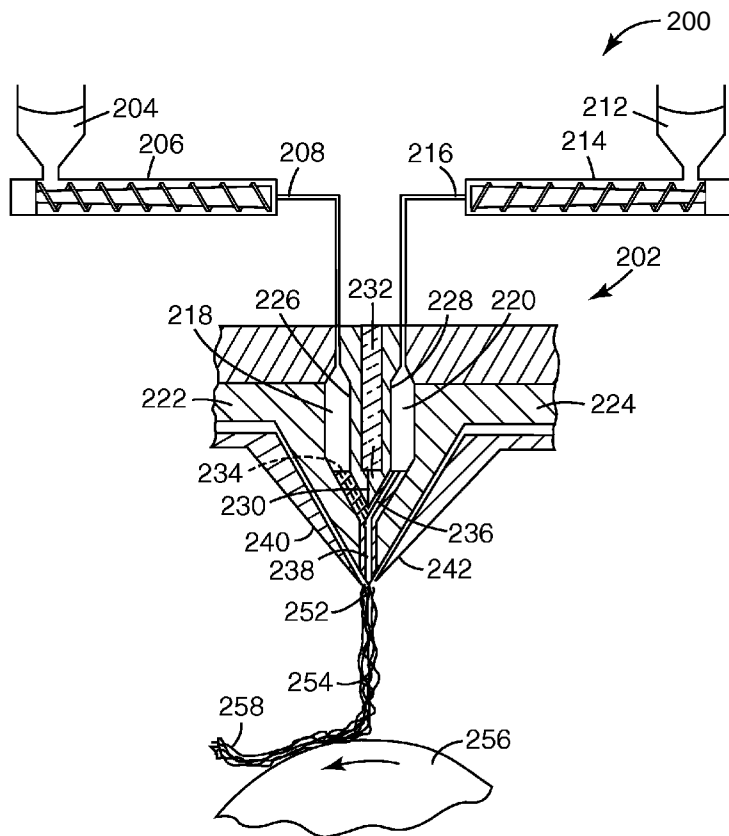


Fig. 2

(57) **Abstract:** Shaped filtration articles are made from a monocomponent nonwoven web formed by flowing first and second fiber-forming materials of the same polymeric composition through first and second die cavities in respective fluid communication with first and second sets of orifices in a meltblowing die tip. The first fiber-forming material flows at a lesser flow rate or viscosity through the first die cavity and first set of orifices to form a set of smaller size filaments and the second fiber-forming material flows at a greater flow rate or viscosity through the second die cavity and second set of orifices to form a set of larger size filaments. The collected nonwoven web contains a meltblown bimodal mass fraction/fiber size mixture of intermingled continuous microfibers and larger size fibers of the same polymeric composition.



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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

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Keywords spinning, filter, nonwoven

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	WO 97/37071 A1 (TORAY INDUSTRIES, INC) 09 October 1997 See claim 1 and claim 12	1-21
A	JP 06-207359 A (NIPPON PETROCHEM CO , LTD) 26 July 1994 See claim 12 and figure 1	1-21
A	KR 10-2002-0061648 A (E I DU PONT DE NEMOURS AND COMPANY) 24 July 2002 See claim 1 and figure 1	1-21
A	KR 10-19950-0023751 A (KIMBERLY-CLARK CORP) 18 August 1995 See claim 1 and figure 1	1-21

☐ Further documents are listed in the continuation of Box C☒ See patent family annex

* Special categories of cited documents

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INTERNATIONAL SEARCH REPORT
Information on patent family members

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