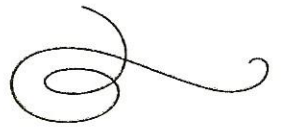
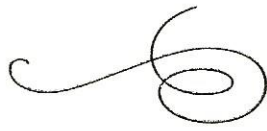


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The Director

of the United States Patent and Trademark Office 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

grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America, and if the invention is a process of the right to exclude others from using, offering for sale or selling throughout the United States of America, products made by that process, for the term set forth in 35 U.S.C. 154(a)(2) or (c)(1), subject to the payment of maintenance fees as provided by 35 U.S.C. 41(b). See the Maintenance Fee Notice on the inside of the cover.



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(54) **KNITTING YARN AND METHOD OF FORMING KNITTED PRODUCT**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 18 days.

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(30) **Foreign Application Priority Data**

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(51) **Int. Cl.**

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- D04B 5/00** (2006.01)
- D02G 3/04** (2006.01)
- D04B 3/00** (2006.01)
- D04B 39/00** (2006.01)

(52) **U.S. Cl.**

CPC **D02G 3/34** (2013.01); **D04B 5/00** (2013.01); **D02G 3/04** (2013.01); **D04B 3/00** (2013.01); **D04B 39/00** (2013.01)

(58) **Field of Classification Search**

CPC ... **D02G 3/34**; **D02G 3/04**; **D04B 5/00**; **D04B 3/00**; **D04B 39/00**

USPC 66/4

See application file for complete search history.

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(57) **ABSTRACT**

A knitting yarn for manually forming a knitted product without tools includes a thread having a length dimension extending along an axis (A); a plurality of loops affixed to or formed with the thread by extending outwardly of the thread; and each of the plurality of loops defining an interior space adapted to receive another loop of the plurality of loops. The plurality of loops includes a first loop set mainly extending outwardly along +y axis and a second loop set extending along -y axis; and, the first loop set is essentially symmetrical to the second loop set around the symmetry axis (A). A method of manually forming a knitted product by using the knitting yarn; and the knitted product obtained thereof.

20 Claims, 7 Drawing Sheets

