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Laycock et al.

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(54) **METHOD TO MAKE CIRCULAR-KNIT ELASTIC FABRIC COMPRISING SPANDEX AND HARD YARNS**

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Related U.S. Application Data

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(51) **Int. Cl.**
D04B 1/18 (2006.01)

(52) **U.S. Cl.** **66/198**; 66/8

(58) **Field of Classification Search** 66/8, 66/196–202; 442/304, 306, 313
See application file for complete search history.

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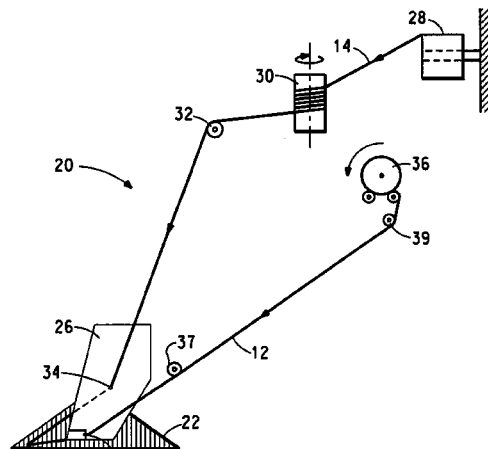
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(57)   **ABSTRACT**

Circular-knit, elastic, single-knit jersey fabric, of spun and/or continuous filament hard yarns with bare spandex plated in every course, has a cover factor in the range of 1.3 to 1.9, a basis weight from 140 to 240 g/m^2, an elongation of 60% or more and low shrinkage. The circular knit, single-knit jersey fabric is produced by maintaining the draft of the spandex at or below 2× (100% elongation) and maintaining the finishing and drying temperature(s) below the spandex heat set temperature. The knit fabric meets the end-use specifications without heat setting.
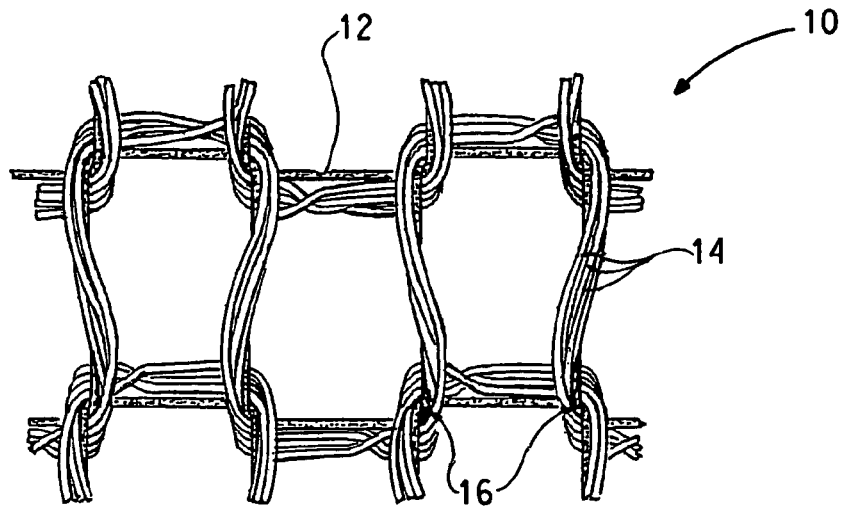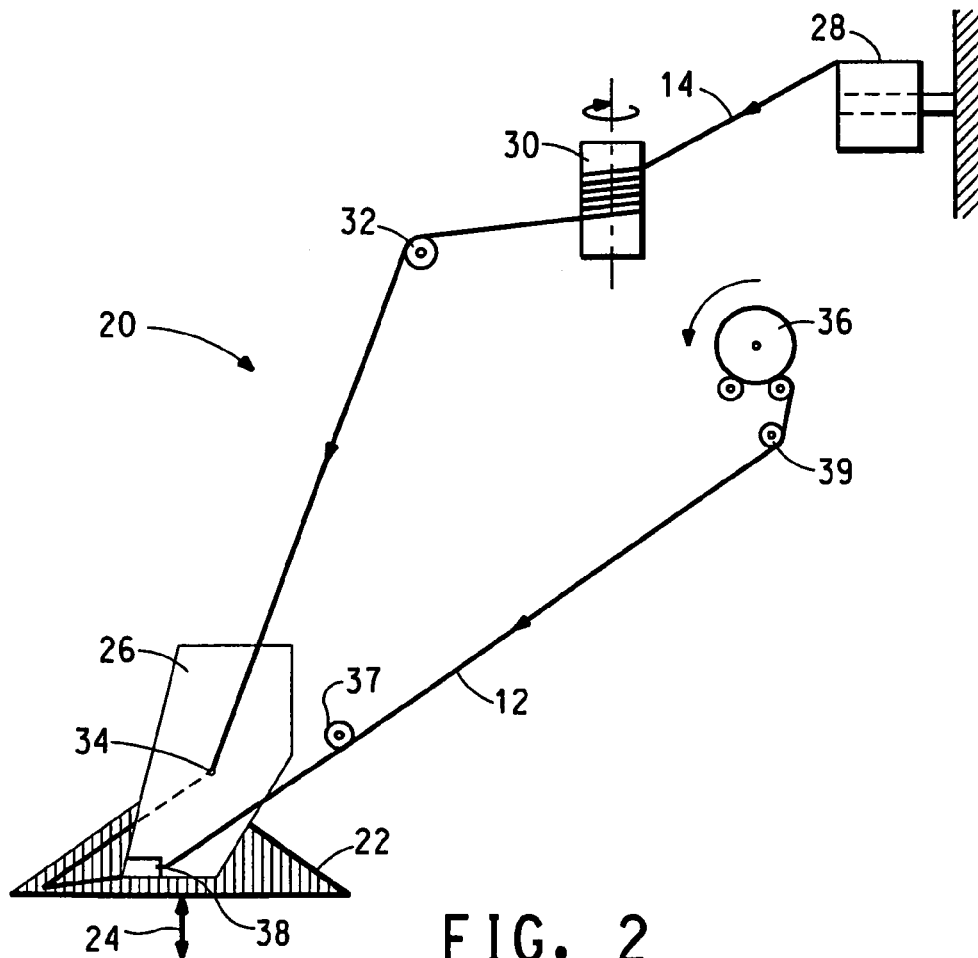
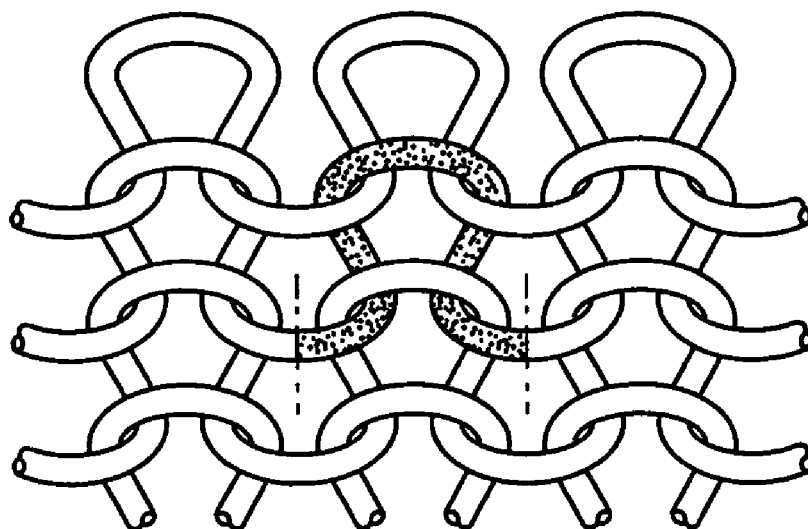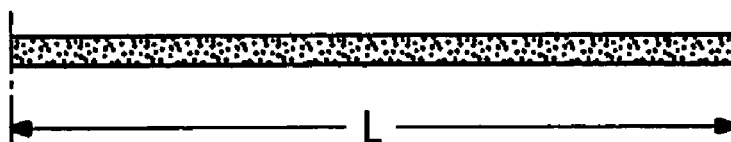**32 Claims, 4 Drawing Sheets**

FIG. 1

FIG. 2

FIG. 3

FIG. 3A

FIG. 4
(Prior Art)

FIG. 5

DOCKET ALARM
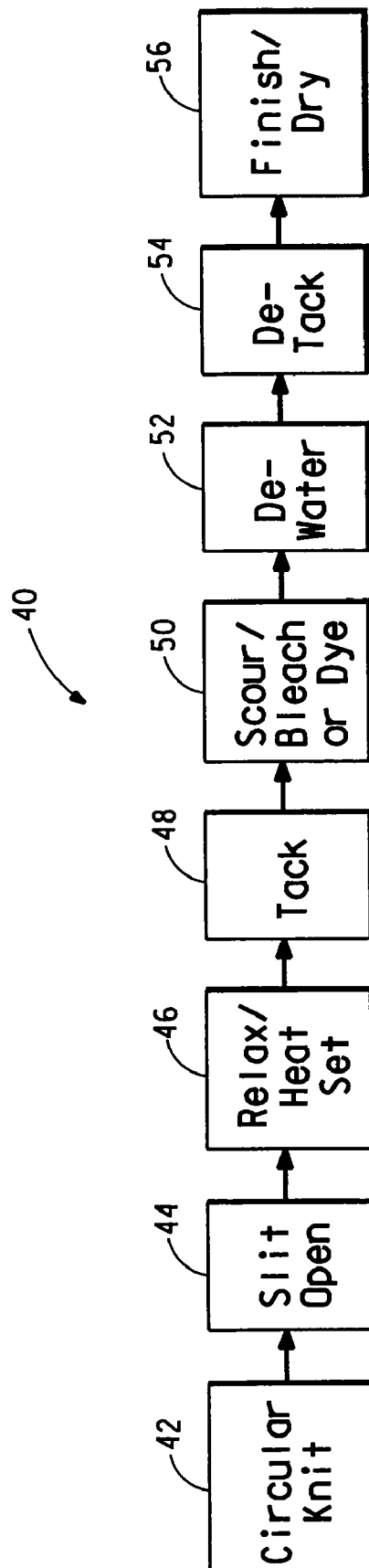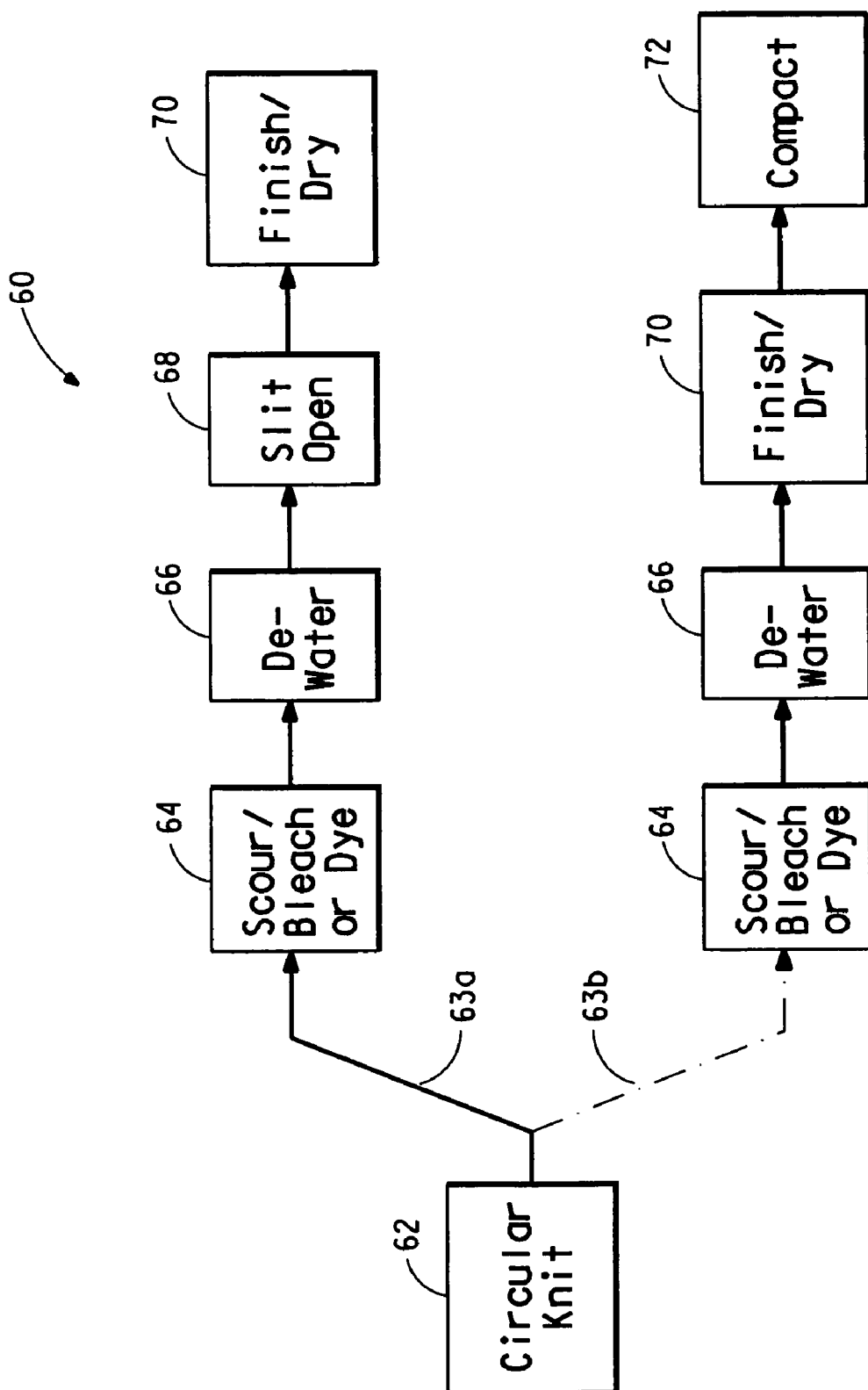
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