



162162

PROCESS AND MANUFACTURE FOR REFASTENABLE MECHANICAL FASTENING
SYSTEM ATTACHED TO SUBSTRATE PROTRUSION

ABSTRACT

The invention is a refastenable mechanical system, made of free-formed prongs joined to an embossed or raised substrate (24). The prongs (22) taper and are nonperpendicularly oriented relative to the plane of the substrate. Each prong (22) has an engaging means (30) projecting laterally from the periphery of the prong. The free formed prongs (22) are manufactured by the process of depositing liquid material onto the embossed or raised portion (23) of a moving substrate (24), stretching the liquid material in a direction parallel to the plane of the embossed or raised substrate and severing the stretched material to form the distal end and engaging means of the prong. The advantageous usage of the fastening system in an article of manufacture, such as a disposable absorbent garment, specifically a diaper, is also disclosed.

(FIGURE 1)



G00002