

ABSTRACT**CELLULOSIC FIBROUS STRUCTURES HAVING AT LEAST THREE
REGIONS DISTINGUISHED BY INTENSIVE PROPERTIES, AN
APPARATUS FOR AND METHOD OF MAKING SUCH CELLULOSIC
FIBROUS STRUCTURES**

Disclosed is a cellulosic fibrous structure, such as paper. The fibrous structure has at least three intensively distinct regions. The regions are distinguished from one another by intensive properties such as basis weight, density and projected average pore size, or thickness. In one embodiment, the fibrous structure has regions of two basis weights, a high basis weight region and a low basis weight region. The high basis weight region is further subdivided into low and density regions so that a fibrous structure having three regions is produced. Also disclosed is an apparatus and process for making the fibrous structure, having three, four, and more regions. The process is similar to known papermaking techniques, but comprises the additional steps of applying a differential pressure to selected regions of the fibrous structure which are not coincident with the regions of the fibrous structure defined by the apparatus in prior steps of the papermaking process. The selective application of noncoincident differential pressure to selected regions of the fibrous structure may result in densification or dedensification of such regions.

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