

## ABSTRACT

### METHOD AND APPARATUS FOR FORMING ARTICLES WITH NON-UNIFORM COATINGS

An apparatus and process for applying a coating material onto a substrate as a non-uniform layer of coating material, the method including providing a distribution manifold having a cavity and a plurality of dispensing outlets in fluid communication with the cavity, creating relative motion between a substrate and the dispensing outlets in a first direction, and dispensing coating material from the dispensing outlets while simultaneously translating the plurality of dispensing outlets in a second direction non-parallel to the first direction. Using the process, coated articles having a useful non-uniform coating or coatings can be prepared, in particular self-adhesive vapor permeable air and moisture barrier membranes for use as architectural structure wraps.

(Figure 5)