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(54) Title: FORWARD OSMOSIS MEMBRANE AND METHOD OF MANUFACTURE

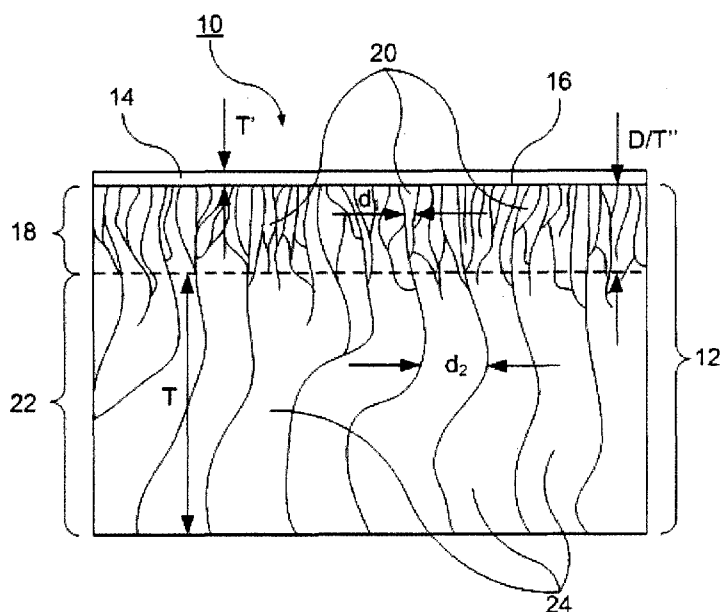


FIG. 1

(57) Abstract: A forward osmosis membrane (10) and method (50) of forming the forward osmosis membrane (10) are provided. The forward osmosis membrane (10) has an integral hydrophilic asymmetric layer (12). The integral hydrophilic asymmetric layer (12) includes a first sublayer (18) having a plurality of first elongated pores (20) extending along a depth of the first sublayer (18) and a second sublayer (22) having a plurality of second elongated pores (24) extending along a thickness of the second sublayer (22). The first elongated pores (20) are dimensionally smaller than the second elongated pores (24). A polyamide layer (14) is formed over a surface of the integral hydrophilic asymmetric layer (12).



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