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(54) Title: COATING DEVICE AND PROCESS FOR COATING FORMED SHEET MEMBRANE ELEMENT

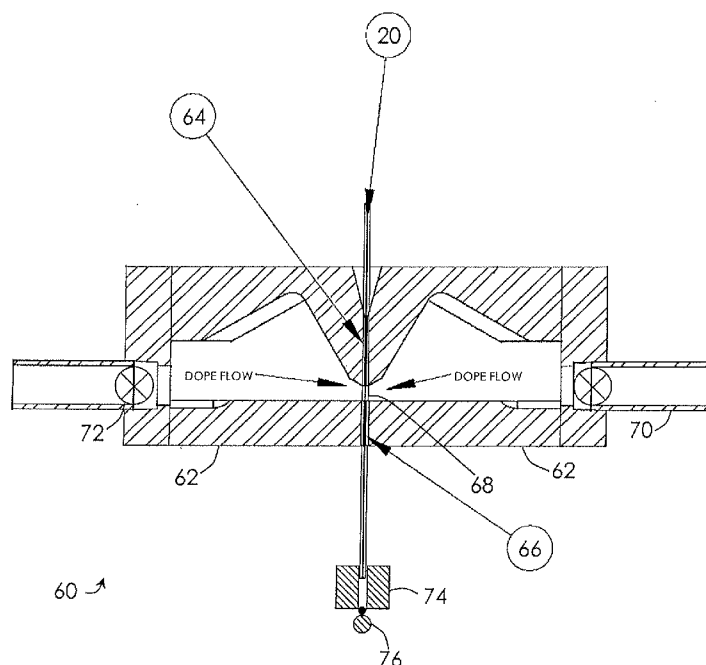


FIG. 17

(57) Abstract: A coating device having one or more dope outlets, a coating knife, and a guide section configured to engage the protrusions on a membrane substrate, the coating device defining a slot adapted to receive the membrane substrate. A process for coating a permeate sheet having protrusions formed thereupon consists of drawing the permeate sheet through a coating knife having a pattern corresponding to the permeate sheet while providing a dope to both sides of the sheet. Another device and process incorporates a cylindrical roller and a platen.

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