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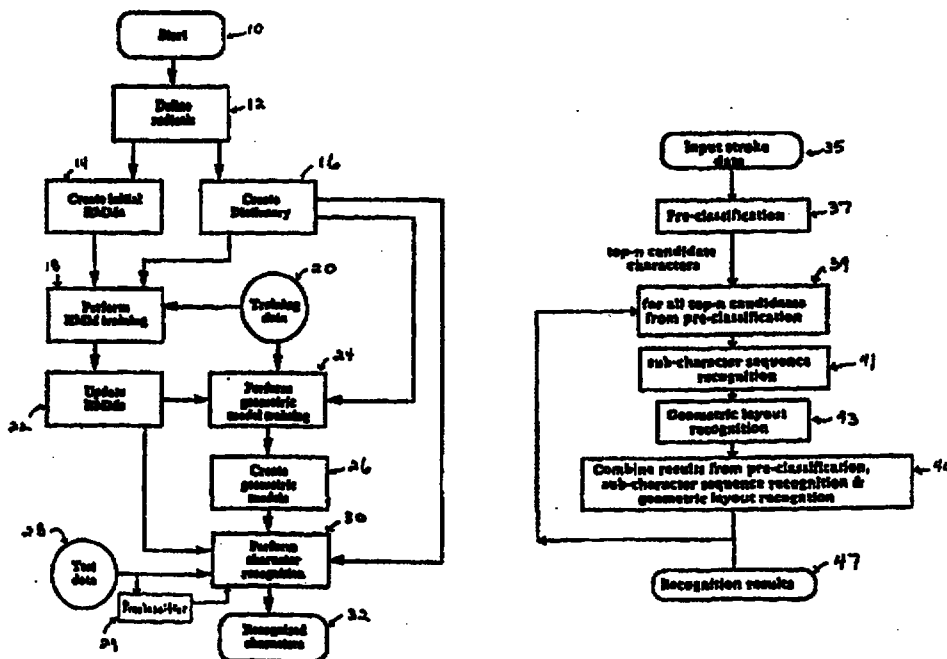
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(54) Title: METHODS AND APPARATUSES FOR HANDWRITING RECOGNITION



(57) Abstract

Method and apparatus for handwriting recognition system for ideographic characters and other characters based on subcharacter hidden Markov models. The ideographic characters are modeled using a sequence of subcharacter models and by using two-dimensional geometric layout models of the subcharacters. The subcharacter hidden Markov models are created according to one embodiment by following a set of design rules. The combination of the sequence and geometric layout of the subcharacter models is used to recognize the handwriting character.