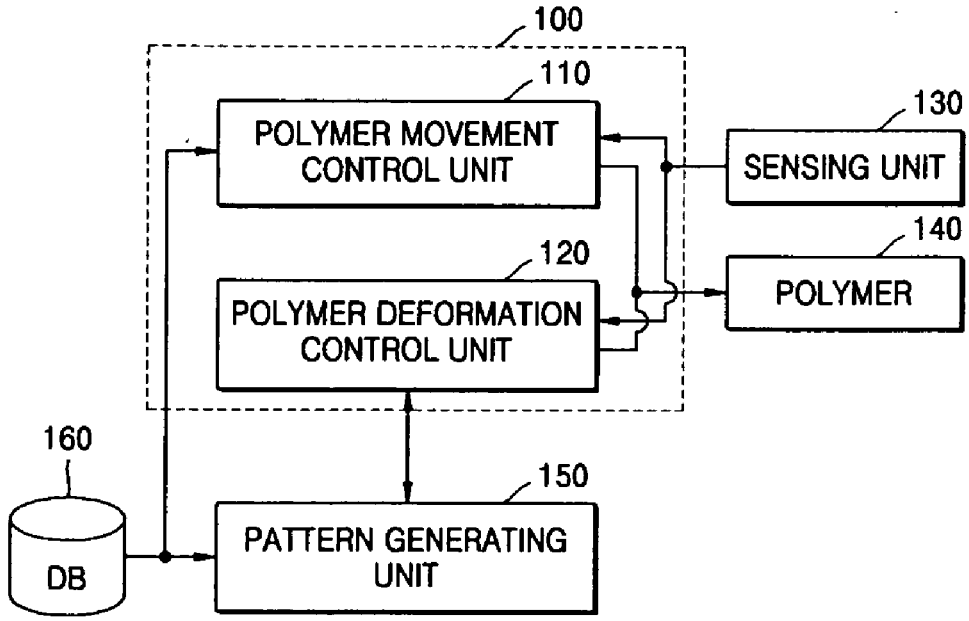
FIG. 1


100
110
POLYMER MOVEMENT CONTROL UNIT
130
SENSING UNIT
140
120
POLYMER DEFORMATION CONTROL UNIT
POLYMER
160
150
DB
PATTERN GENERATING UNIT