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(54) Title: METHOD OF EXTRUDING LINEAR LOW-DENSITY POLYETHYLENE (LLDPE) WITHOUT SURFACE FRACTURES IN THE MELT

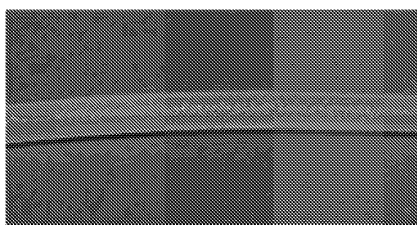


FIG. 1

(57) Abstract: A method of extruding a melt of a linear low-density polyethylene (LLDPE) without surface melt fracture, the method comprises heating a melt of the LLDPE to a temperature from 190.0 to 260.0 degrees Celsius; and extruding through a die the heated melt at a shear rate of from 1,100 to 7,000 per second and at a shear stress of greater than 0.40 megapascal, thereby forming a polyethylene extrudate without surface melt fracture.



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