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(54) Title: SLURRY PHASE POLYMERISATION PROCESS

(57) Abstract: A process comprising polymerising an olefin monomer optionally together with an olefin comonomer in the presence of a polymerisation catalyst in a diluent in a loop reactor which comprises at least 2 horizontal sections and at least 2 vertical sections to produce a slurry comprising solid particulate olefin polymer and the diluent wherein the Froude number in at least 20 % of the length of the vertical sections of the reactor loop is less than 85 % of the Froude number in at least 20 % of the length of the horizontal sections of the loop is disclosed.



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