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(54) Title: COOLING BETWEEN MULTIPLE POLYOLEFIN POLYMERIZATION REACTORS

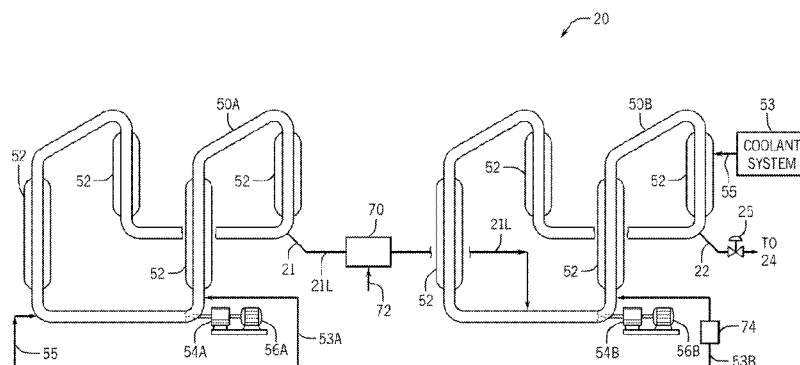


FIG. 2

(57) Abstract: A system and method for a first reactor to produce a transfer slurry having a first polyolefin polymerized in the first reactor, a heat-removal zone to remove heat from the transfer slurry, and a second reactor to receive the transfer slurry cooled by the heat-removal zone, the second reactor to produce a product slurry having a product polyolefin which includes the first polyolefin and a second polyolefin polymerized in the second reactor.