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(54) Title: A MECHANICAL POLYOLEFIN RECYCLING PROCESS

(57) Abstract: A mechanical polyolefin recycling process, comprising a particular combination of processing steps in a given order, providing access to highly pure recycled polyolefin grades, having well balanced mechanical and optical properties that are superior to those typically seen in similar recycled polyolefin grades and a mechanical polyolefin recycling apparatus configured for carrying out the mechanical polyolefin recycling process