

A B S T R A C T

PROCESS FOR THE PREPARATION OF LINEAR POLYMERS OF
CARBON MONOXIDE WITH ONE OR MORE OLEFINICALLY
UNSATURATED COMPOUNDS

Process for the preparation of polymers in which process linear alternating polymers of carbon monoxide with one or more olefinically unsaturated compounds are prepared by contacting the monomers at an elevated temperature and pressure with a catalyst in a diluent in which diluent the catalyst is dissolved and the formed polymers form a suspension, which contacting takes place in a system comprising at least one reactor and at least one mechanical contact zone wherein the volume of the suspension present in the mechanical contact zone(s) is substantially less than the volume of the suspension present in the reactor(s), the suspension is passed through the mechanical contact zone(s) and high shearing forces are exerted on the polymer particles dispersed in the suspension present in the mechanical contact zone.