

A B S T R A C T

PROCESS FOR THE PREPARATION OF POLYMERS OF
CARBON MONOXIDE WITH OLEFINICALLY
UNSATURATED COMPOUNDS

Process for the preparation of polymers,
characterized in that

- a) linear alternating polymers of carbon monoxide with one or more olefinically unsaturated compounds are prepared by contacting the monomers at elevated temperature and pressure with a catalyst on carrier containing a Group VIII metal,
- b) the preparation is carried out continuously and as a gas phase polymerization, and
- c) during the polymerization a fraction of the formed polymer product is recycled to the polymerization mixture, subsequent to reducing the average particle diameter thereof and to supplying fresh catalyst thereto.