



G00002



162162

"IMPROVED PROCESS FOR THE
PRODUCTION OF LINEAR ALPHA-OLEFINS"

5

ABSTRACT

In a process where ethylene is effectively oligomerized to linear alpha-olefins using catalyst systems based on one or more transition metal compounds dissolved in a polar organic liquid as solvent, incorporation of water into the solvent at levels of 1 to 10 weight percent improved the process by increasing alpha-olefin purity and also by influencing the Schulz-Flory distribution.

10