



G00002

-9-



**PROCESS OF GENERATING O-XYLENE-AIR MIXTURES FOR THE PRODUCTION OF
PHTHALIC ANHYDRIDE**

Abstract

This invention relates to a process of generating a homogeneous gas mixture (feed gas) from ortho-xylene (o-xylene) and air, which is the basis for the production of phthalic anhydride (PA) by gas-phase oxidation in the so-called PA process. To create a process of producing o-xylene-air mixtures for the production of phthalic anhydride, by means of which a load of 120 g o-xylene per Nm³ air can be achieved, it is proposed in accordance with the invention to completely evaporate o-xylene in the absence of oxygen, superheat the same thereafter and then mix the same with oxygen-containing air, and to supply this mixture to the PA reactor.

Fig 2