

PROCESS FOR THE PURIFICATION OF NITRIC OXIDE**ABSTRACT OF THE DISCLOSURE**

A gas mixture comprised of nitric oxide and, optionally an inert gas, and containing small amounts of nitrogen dioxide, and perhaps moisture and sulfur dioxide, is purified by passing the gas stream through a bed of metal cation-free alumina-deficient zeolites of types Y or ZSM-5. The concentrations of nitrogen
5 dioxide, sulfur dioxide and moisture in the gas stream are reduced to about 1 ppm or less as the gas mixture passes through the bed of zeolite.