

ABSTRACT

Explanatory note contains 61 p., 5 fig., 6 tab., 2 ap., 9 bibl.

The project of catalytic synthesis of ammonia has been developed.

Physicochemical fundamental of ammonia synthesis have been considered in the project, process flow sheet has been introduced. The choice of preparation method of the catalyst has been proved, physicochemical fundamental of selected method have been considered, catalyst production flow sheet has been represented. Material and energy balances have been done. Equipment of catalyst manufacture has been selected and described in the project. Possible ecological problems have been considered, ways of problems solution have been introduced.

AMMONIA SYNTHESIS, SINTERED CATALYST, ACTIVE CENTRE,
PROMOTORS, AMMONIA SYNTHESIS CONVERTER, INDUCTION
FURNACE