

Shaped materials useful as catalyst

Abstract

5

Shaped materials useful as catalyst for preparing cyclic lactams by reacting aminocarbonitriles with water in the liquid phase in a fixed bed reactor and which have no soluble constituents under the reaction conditions, comprising pyrogenic titanium dioxide as
10 essential constituent, said compositions being obtainable by shaping the pyrogenic titanium dioxide into shaped articles and, before or after said shaping, treating the pyrogenic titanium dioxide with from 0.1 to 30% by weight, based on the pyrogenic titanium dioxide, of an acid in which pyrogenic titanium dioxide
15 is sparingly soluble.

20

25

30

35

40

45