

Abstract

METHOD FOR PREPARING PHTHALONITRILE-BASED COMPOUND

An embodiment of the present invention provides a method for preparing a phthalonitrile-based compound, comprising: (a) feeding a mixture comprising a phthalic acid-based compound
5 and a nitrile-based compound into a first reaction part to react; (b) transferring a resulting product of step (a) to a second reaction part connected to the first reaction part to react under the condition of 350 to 400°C; and (c) obtaining a phthalonitrile-based compound at a discharge part connected to the second reaction part, wherein the second reaction part has a length in a fluid flow direction which is 10 times or more of a square root of an average cross-sectional area perpendicular to the
10 fluid flow direction.

Fig. 1