

ABSTRACT

PREPARATION OF DIARYL CARBONATE

A process for preparing a diaryl carbonate from a diaryl oxalate in a liquid phase by decarbonylation which utilizes a reaction vessel comprising at least two reaction chambers (2-1, 2-2, 2-3) connected in series, and comprises the steps of continuously introducing the diaryl oxalate and an organic phosphorous compound having a trivalent or pentavalent phosphorous atom and at least one carbon-phosphorus bonding into the first chamber (2-1) and continuously recovering a reaction mixture comprising the diaryl carbonate from the last chamber (2-3) under the condition that a mixture of the diaryl oxalate and the organic phosphorus compound is heated in the reaction chambers (2-1, 2-2, 2-3), while discharging carbon monoxide released from the mixture.

Fig. 1

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