12. The method according to anyone of the foregoing claims, wherein said organic acid and carbonate are reacted at a temperature between about 160°C to about 215°C.
13. The method according to anyone of the foregoing claims, wherein said organic acid and carbonate are reacted within a time period not exceeding about 24 hours.
14. The method according to claim 13, wherein said organic acid and carbonate are reacted within a time period not exceeding about 12 hours.
15. The method according to anyone of the foregoing claims, wherein said method is able to achieve at least 45% conversion of said carboxylic acid to the ester.
16. The method according to claim 15, wherein said method is able to achieve at least 70% conversion of said carboxylic acid to the ester.
17. The method according to anyone of the foregoing claims,, wherein said alcohol serves as a nucleophile that assists said reaction between said organic acid and said carbonate.
18. The method according to anyone of the foregoing claims, wherein said organic acid is converted into a corresponding monoester and diester in a ratio of about 95:0.5 to about 0.5:95.
19. The method according to claim 3, wherein a di-ester product is favored.
20. The method according to anyone of the foregoing claims, wherein a CO_2 molecule is released from said reaction.
21. The method according to claim 20, wherein said reaction is performed in either a batch or a continuous process.
22. ~~An ester compound with a specificity upto about 79% ± 3% as obtained from the method comprising the steps of: reacting in a reaction mixture an organic acid with a dialkyl-carbonate in the presence of an alcohol-containing solvent without an extrinsic catalyst at a temperature between about 130°C to about 230°C and at a pressure in a range from about 145 psi to about 950 psi inert atmosphere according to anyone of the foregoing claims.~~