

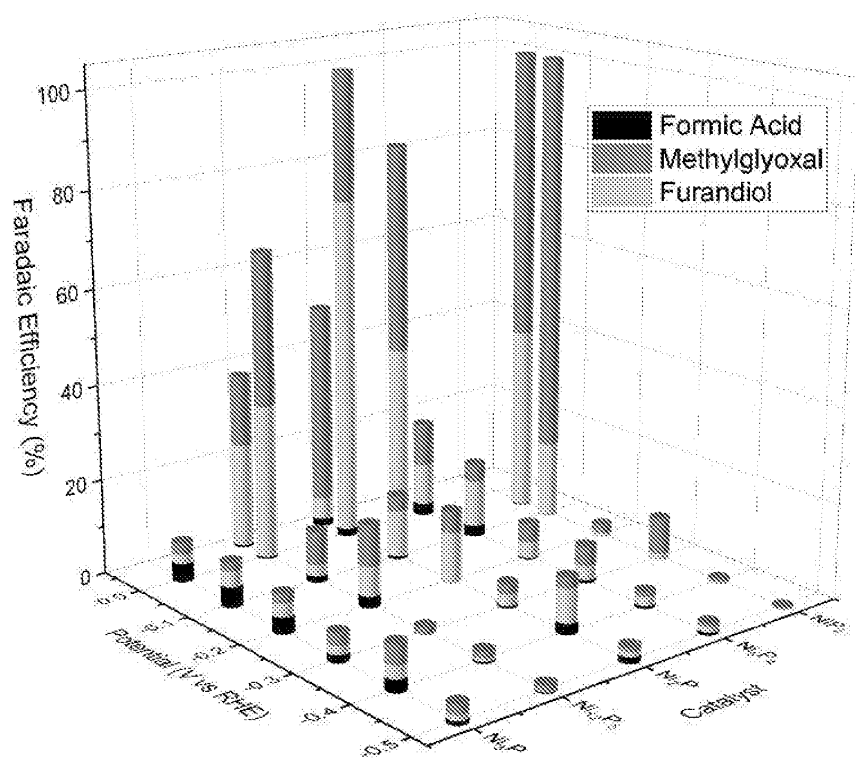


FIG. 1

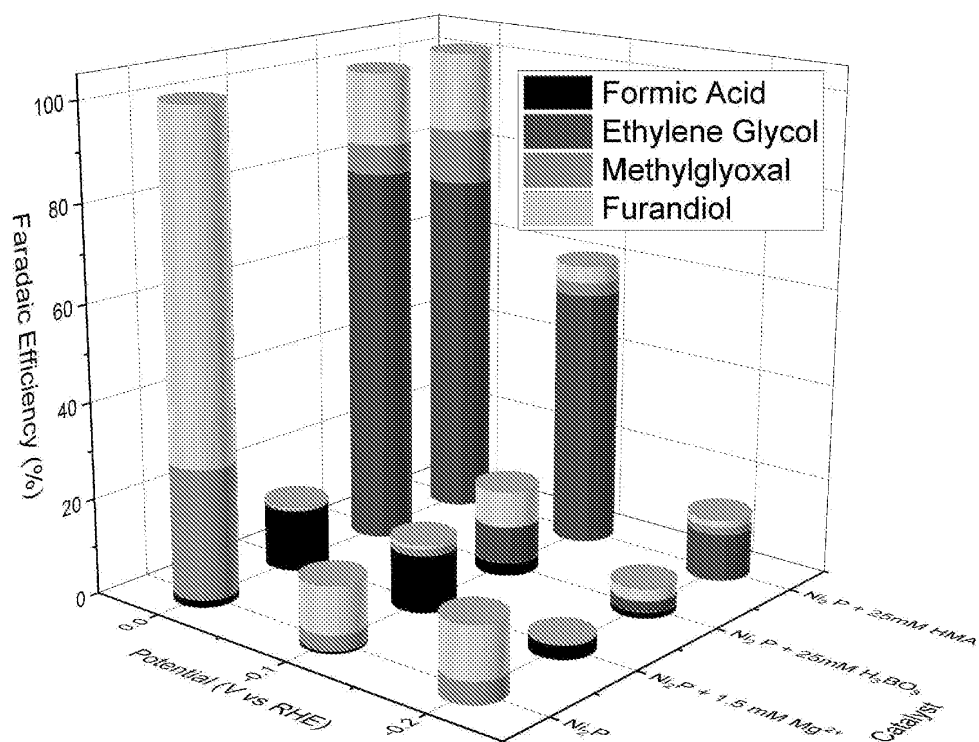


FIG. 2

FIG. 3A) Lewis Acid Co-catalyst

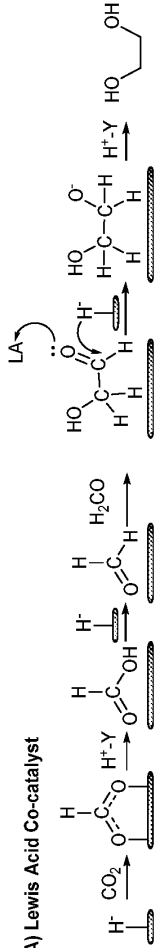


FIG. 3B) Brønsted Acid Co-catalyst

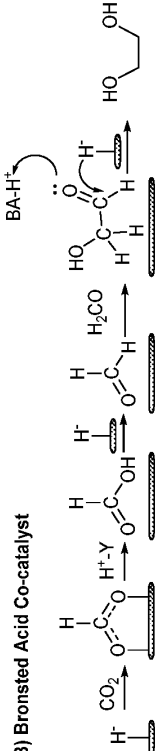


FIG. 3C) Base Co-catalyst (Canizzarro pathway)

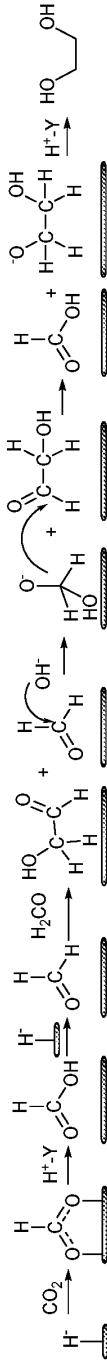
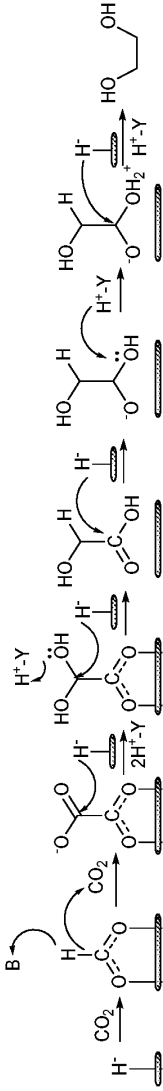


FIG. 3D) Oxalate Pathway



FIGS. 3A-3D

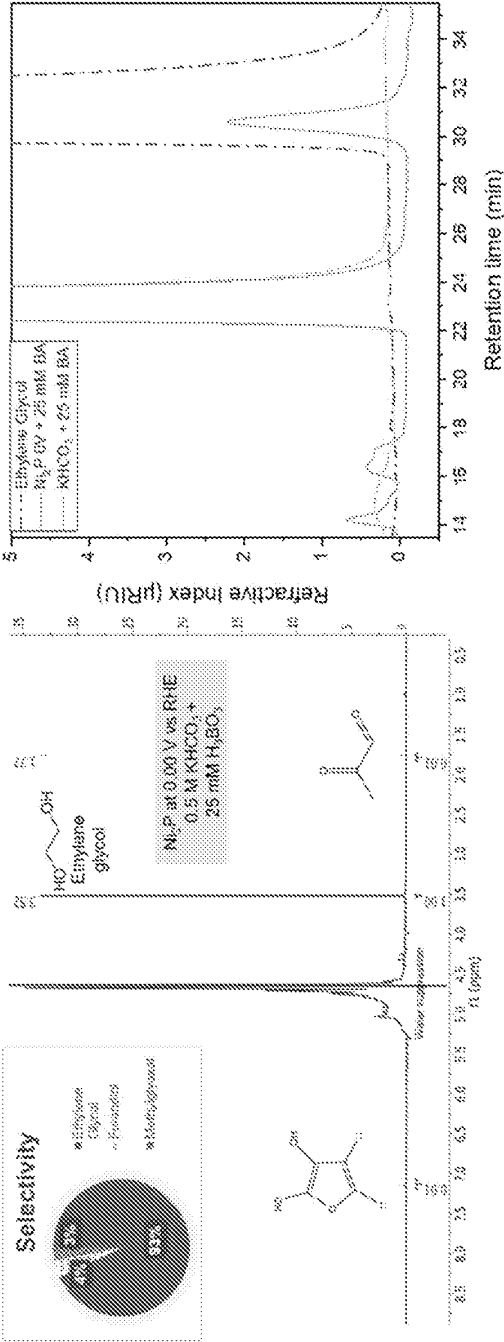


FIG. 4A

FIG. 4B

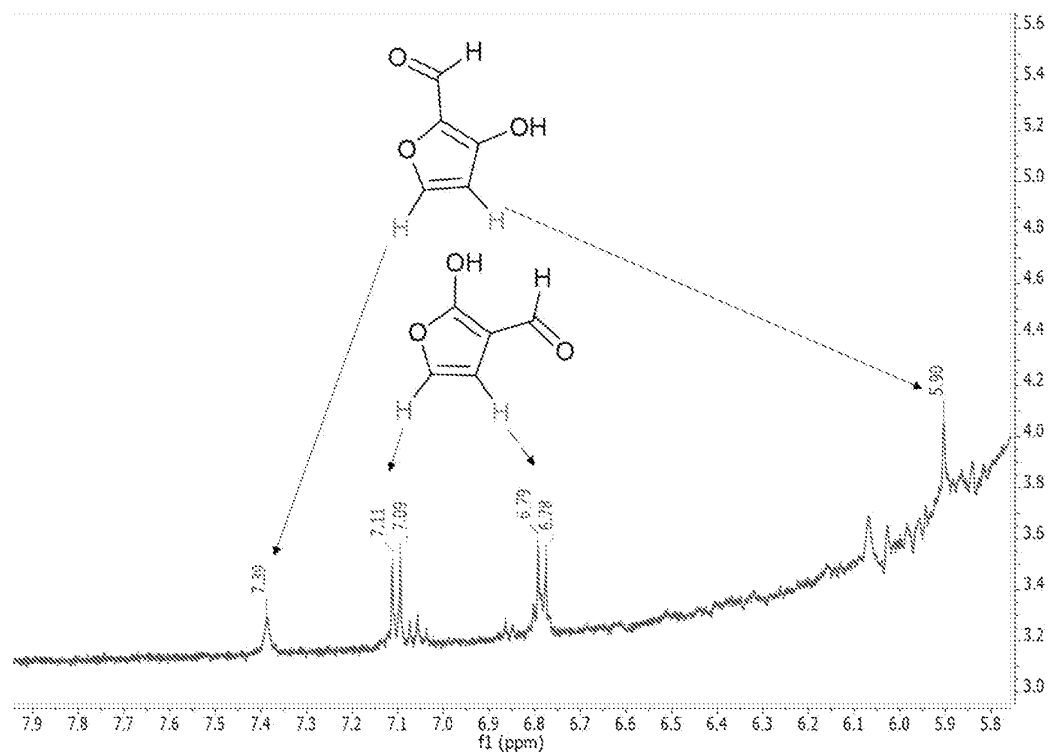


FIG. 5