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(54) Title: METHOD OF PRODUCING NYLON

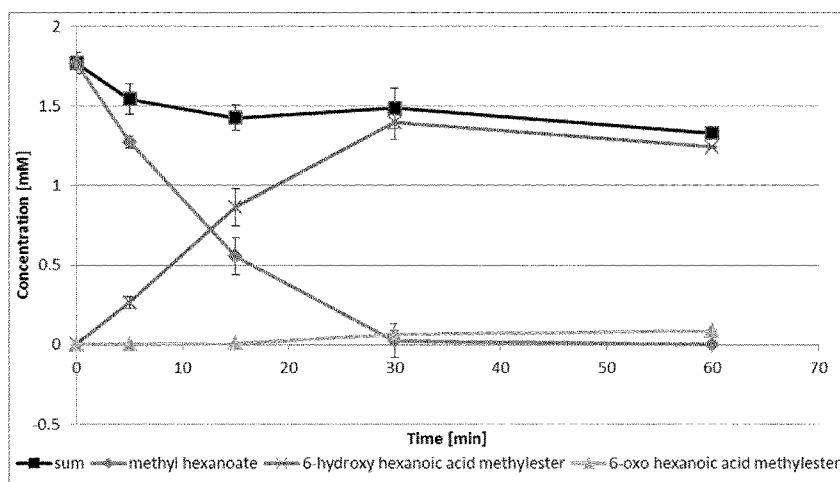


FIGURE 2

(57) Abstract: There is provided a method of producing aminohexanoic acid and/or aminohexanoic acid ester from synthesis gas, the method comprising: A. contacting the synthesis gas with at least one bacteria capable of carrying out the Wood- Ljungdahl pathway and the ethanol-carboxylate fermentation to produce hexanoic acid; and B. contacting the hexanoic acid with a genetically modified cell to produce aminohexanoic acid and/or aminohexanoic acid ester, wherein the genetically modified cell has an increased activity, in comparison with its wild type, of alkane monooxygenase, alcohol dehydrogenase, and ω -transaminase.