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— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

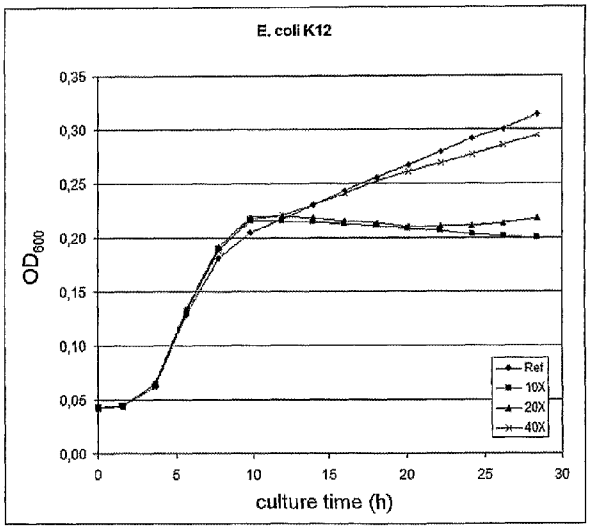
— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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[Continued on next page]

(54) **Title:** BIOACTIVE AGENTS PRODUCED BY SUBMERGED CULTIVATION OF A BASIDIOMYCETE CELL



(57) **Abstract:** The invention in one aspect is directed to a method for cultivating a Basidiomycete cell in liquid culture medium, said method comprising the steps of providing a Basidiomycete cell capable of being cultivated in a liquid growth medium, and cultivating the Basidiomycete cell under conditions resulting in the production intracellularly or extracellularly of one or more bioactive agent(s) selected from the group consisting of oligosaccharides, polysaccharides, optionally glycosylated peptides or polypeptides, oligonucleotides, polynucleotides, lipids, fatty acids, fatty acid esters, secondary metabolites such as polyketides, terpenes, steroids, shikimic acids, alkaloids and benzodiazepine, wherein said bioactive agent comprises one or more desirable activities, such as anti-tumour activity, immune stimulating activity, and enhancement of survival of an individual.

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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