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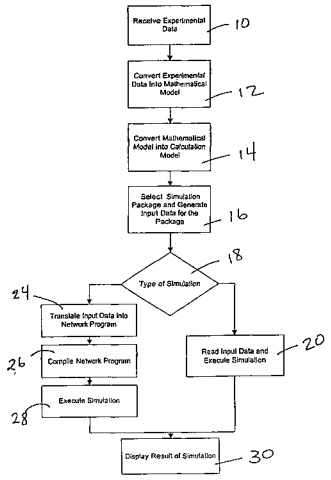
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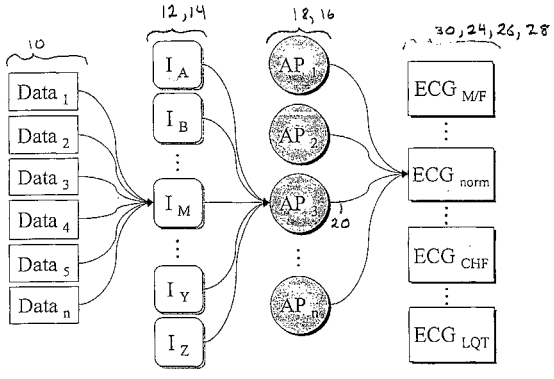
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[Continued on next page]

(54) Title: COMPUTATIONAL SYSTEM FOR MODELLING PROTEIN EXPRESSION IN AN ORGAN





(57) Abstract: A computational model of an organ is disclosed along with a process for assessing the microscopic and whole organ impact of genetic differences that occur in single cells comprising the organ. The genetic differences in the model are based on changes on protein function or distribution associated with genetic mutations, gender, disease or allele based variations in the pattern of gene expression.

WO 01/98935 A2

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