

visualising a process

<http://swpat.ffii.org/pikta/mupli/ep242131/index.en.html>

Workgroup

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Visualise functions by graphically displaying their components, allowing iterations on the screen and creating a flow chart from these iterations. Thanks to this patent, the attack of National Instruments against MathWorks could be repeated in Europe. Math simulation programming would become very difficult. If such patents are considered legally valid.

Contents

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IP Class: G06F3/00 ; G06F15/60 ; G06G7/48

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requested: [-] EP0242131, A3, B1

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Name of the Invention: Graphical system for modelling a process and associated method

Claim 1: A method of producing a program modelling a physical process for a computer using data flow diagramming, wherein the computer includes a memory which stores a plurality of executable functions and a plurality of data of various types, a display, means for receiving user input, and a data processor, the method characterised by the steps of
assembling, in response to user input, a data flow diagram on the display, the data flow diagram specifying the process and including function-icons corresponding to respective ones of the plurality of executable functions, terminal-icons corresponding to respective ones of the plurality of data types, a structure-icon indicating control flow of the data flow diagram, and arcs interconnecting the function-icons, terminal-icons, and structure-icon; and
generating an executable program in response to the data flow diagram, the executable program including one or more of the executable functions as indicated by the function-icons and interconnected as indicated by the arcs to operate upon data identified by the terminal-icons, the executable program having control flow established as indicated by the structure-icon.

Annotated Links:

patent application (A): claims¹, description² and abstract³

granted version (B1): The EPO publishes the patent as a collection of graphical files, which we concatenate into one huge PDF file⁴ and, by OCR batch processing⁵, reduce to a text file⁶.

¹claims.html

²desc.html

³abstract.html

⁴ep0242131.pdf

⁵<http://localhost/swpat/girzu/epatext/index.en.html>

⁶ep0242131.txt