ELECTRONIC GENETIC DATA BANK OF ELEKTROMECHANICAL OBJECTS

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Basic characteristics, essence of the development. A computer version of the genetic data bank (GDB) for systematization of information about electromechanical energy converters (EMEC) is proposed. Computer version of the GDB is a MS Access file.

Patentable and competitive results. Genetic data bank of electromechanical devices "GDB of EM-Devices". Copyright registration certificate in work № 51134. – № 51437; appl. 04.07.13; registr. 04.09.13.

The GDB meets the international quality standard ISO 9126-1 "Information Technology – Software Product Quality" with the following features: simplicity and variability of values; lack of overlap between indicators; correspondence to relevant concepts and terminology; opportunity of future clarification and detailization; selection of characteristics to assess the information system from standpoints of user, developer and project manager.
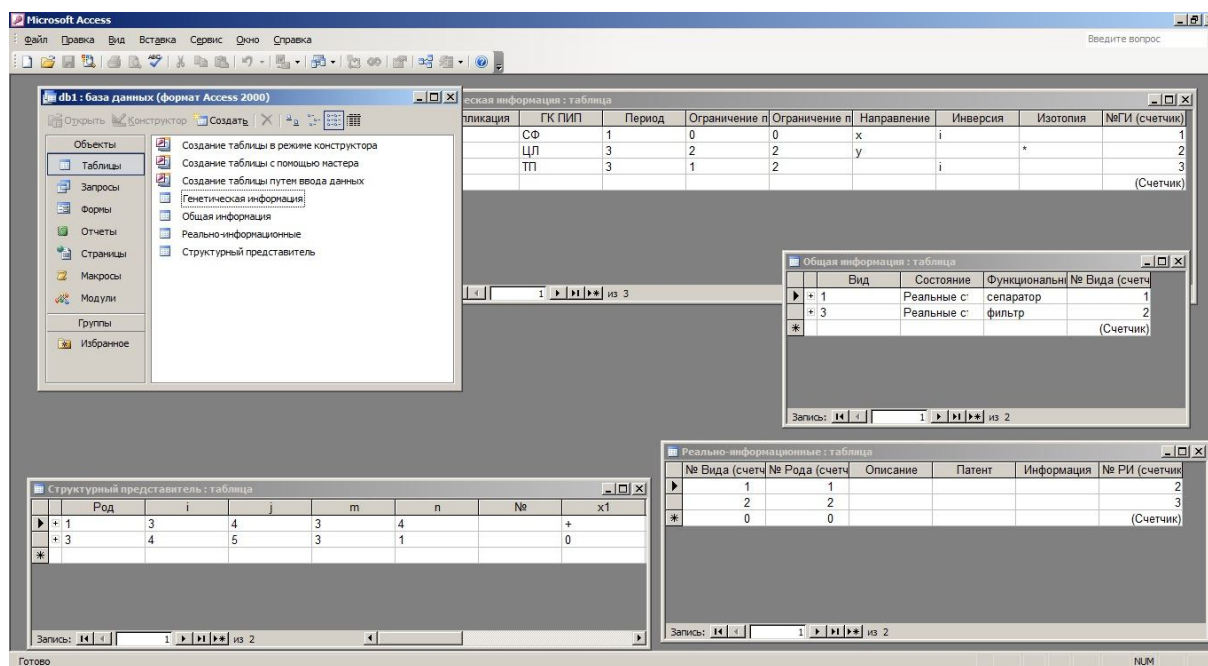
Comparison with world analogues. At the level of international analogues. It allows cutting time to search for new competitive technical solutions in electromechanics.

Economic attractiveness of the development for market promotion, implementation, parameters, price. Major competitors of the development are specialized patent databases in public access on the Internet. The estimated cost of the pilot project of the GDB, excluding the cost of innovative information, is 2,750-3,000 USD. Funding sources are sponsorship of concerned organizations; grants for research. The main way of usage of the GDB innovative potential is technology transfer (i.e. transfer of the GDB to commercial use, patent licensing, trade by unpatented inventions, research).

Branches, ministries, departments, enterprises and organizations where the development results are going to be implemented. The main market segment, on which the GDB is focused, is highly efficient technological equipment. It is recommended for use by design organizations and engineering enterprises that develop EMEC. Areas of application of the GDB design methodology are system information technologies; science; education.

Development readiness level - 100%.

Implementation results. The results of the development are used in the educational process in Volodymyr Dahl East Ukrainian National University in the discipline "Fundamentals of Computer-Aided Design of Electric Machines and Devices".

GDB home page