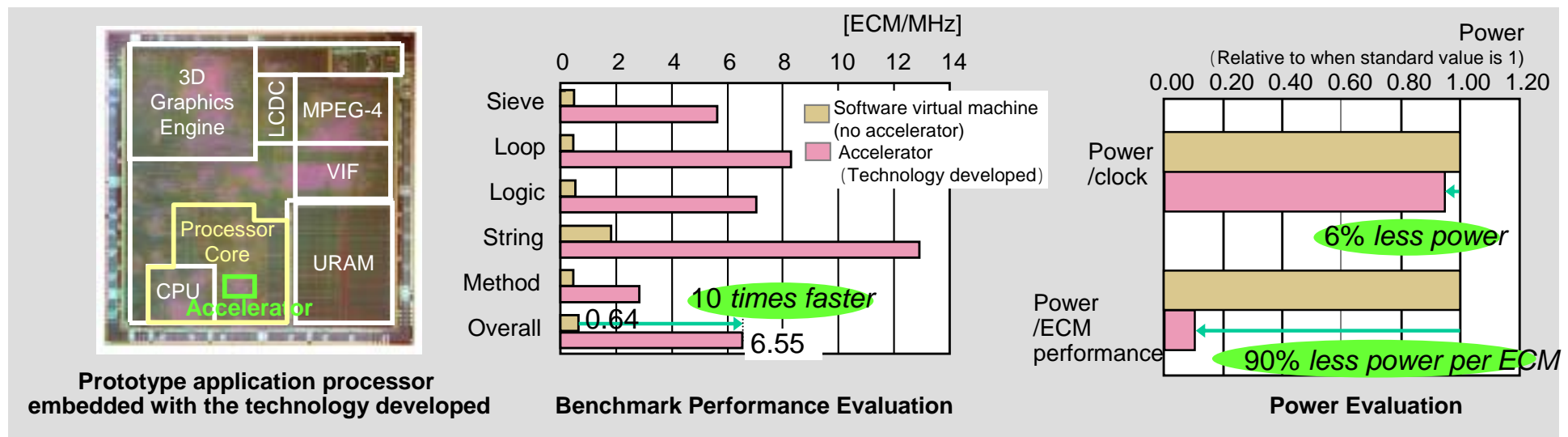


2004/5/6 Release

Development of a hardware accelerator technology for the Java™ platform on an SoC in next-generation cellular phones



Hitachi, Ltd. (President & CEO: Mr. SHOYAMA Etsuhiko) has developed Java™(*1) accelerator technology to increase the execution speed of Java™ applications. When this technology was applied to a prototype application processor for cellular phones, the benchmark performance of 6.5 ECM^{(*)2}/MHz, the world's highest level for general purpose embedded processors, was achieved. Using this technology, it is possible to significantly increase the execution speed of Java™ applications in cellular phones.

*1) Java™: A programming language and operating environment developed by Sun Microsystems, Inc. of the United States of America. As the execution of program is not dependent upon the platform, in recently years, it has been increasingly used in the development and distribution of applications for cellular phone applications.

*2) ECM Embedded Caffeine Mark, developed by Pendragon Software Corporation (Libertyville, IL, USA), is a standard benchmark to measure speed of embedded Java programs.

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