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Development of Template-based Structural Analysis System for Integration of Product Development Collaboration Framework

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Key words : CAE, ANSYS Workbench, API, .NET, Web, Template, Integration

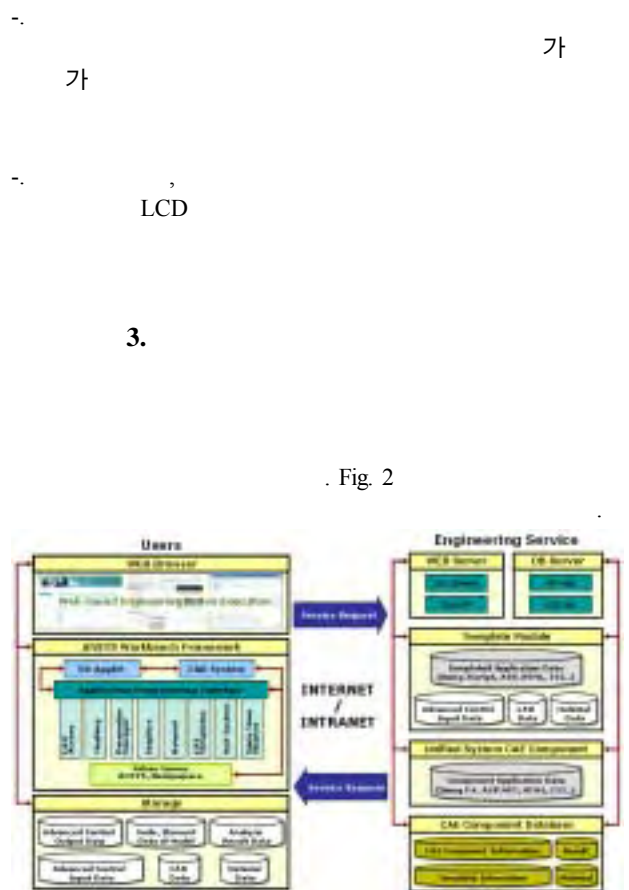
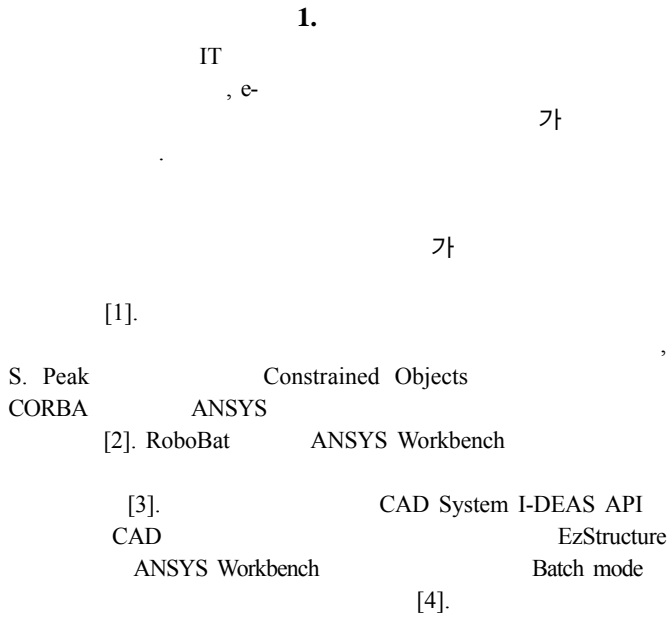


Fig. 2 Schema of Template-based Structural Analysis System

.NET Framework ASP.NET,
ASP, Javascript
Fig. 3

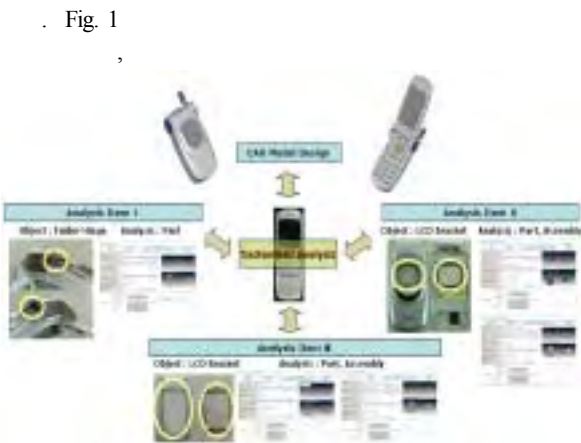


Fig. 1 Decision of Analysis Items and Types

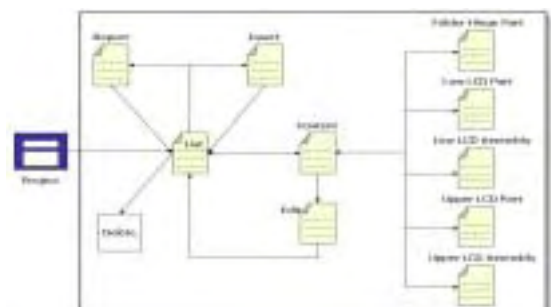


Fig. 3 Process of Template-based Structural Analysis System

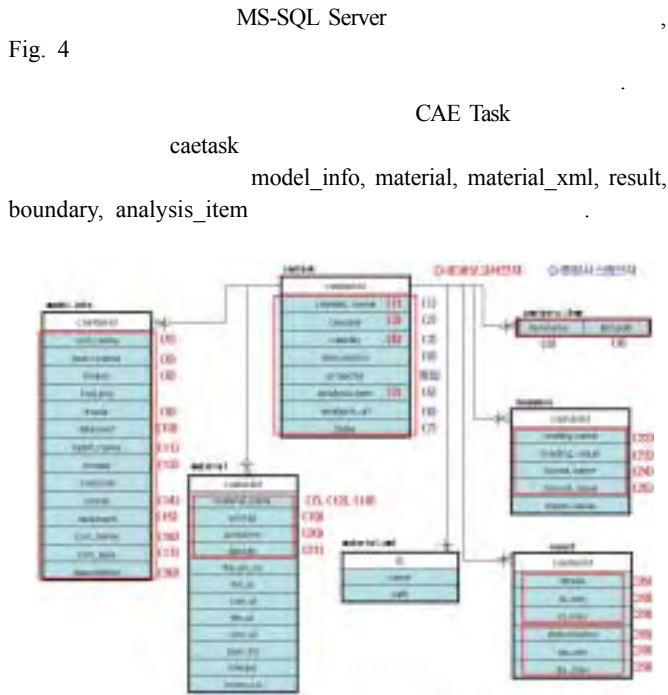


Fig. 4 Schema of Database

ANSYS CAE Workbench (Customization) SDK(Software Deveoplment Kit)

3.

Fig. 5

CAD (pro/E) CAE



Fig. 5 Integrated System of CAE Component Process

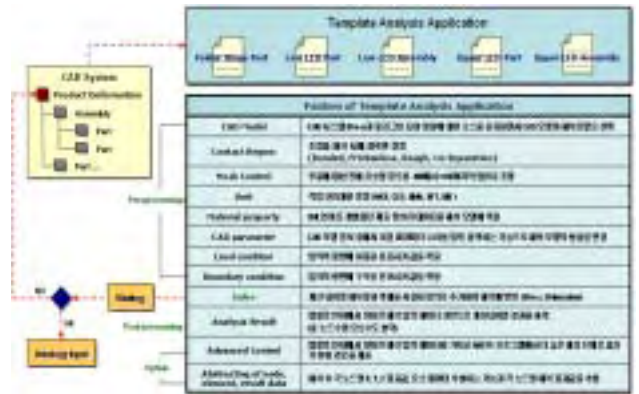


Fig. 6 Templated-based Structural Analysis Module and Process

4.

CAE ANSYS

CAE

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1. , 3 , 2006.
2. Techniques and Tools for Product-Specific Analysis Templates, Russel S. Peak, Georgia Tech. 2001
3. <http://www.robotoffice.com/interface/44/>.
4. “ ”, Korea ANSYS User's Conference, pp.34, 2005.