



## ABBYY FlexiCapture® Helps Korean Businessmen to Patent Their Products

### Customer Overview



**Name**

Korean Intellectual Property Office

**Location**

South Korea

**Industry**

Government

**Web**

kipo.go.kr

### Challenge

Automate cross-referencing within application sets (between specification and drawings)

### Solution

ABBYY FlexiCapture

### Results

- 42,000 pages processed per day
- Improved customer service

Patents are a popular form of intellectual property, guaranteeing that inventions are protected from illegal use. The requirements and procedures for granting patents vary between countries and are regulated by a number of institutions; in South Korea, for example, the organization responsible for patents is the Korean Intellectual Property Office (KIPO). Since its establishment, the number of patents has multiplied greatly, and the application procedure has undergone many changes.

### Challenge

Nowadays a patent application consists of a specification and drawings of the product. The documents are submitted in different formats: PDF, XML, TIFF or JPEG-files. The body of the specification has references to figure numbers in the drawings, but there are no hyperlinks between them. It is quite difficult and time consuming to process and examine numerous application sets using an ordinary OCR: figure numbers in the drawings in most cases are treated as part of the drawing and only 10–30% of them are extracted.

The whole process drags on and turns to be too complex both for the patent authority and the applicants. To find a reasonable and the most suitable solution the KIPO consulted a recognized expert in OCR technologies in Korea — the company ReTIA.

### Solution

ReTIA has over 10 years of experience in the market and numerous worldknown customers. Its expert team offered ABBYY FlexiCapture as a solution — the next generation of intelligent, accurate and highly scalable data capture and document processing software.

Document processing is held in the following way: both specifications and drawings in the original formats are loaded into the system, which classifies them automatically. All the data including texts, pictures and tables are recognized and analyzed.

On the next step FlexiLayout® Technology — one of the components of the system — accurately extracts all the figure numbers. The data are verified and the information is exported into XML-files for further processing and storage.

The distributed architecture of the solution with two Quad-Core Processing Stations ensures high volume document capture.

## ABBYY Partner

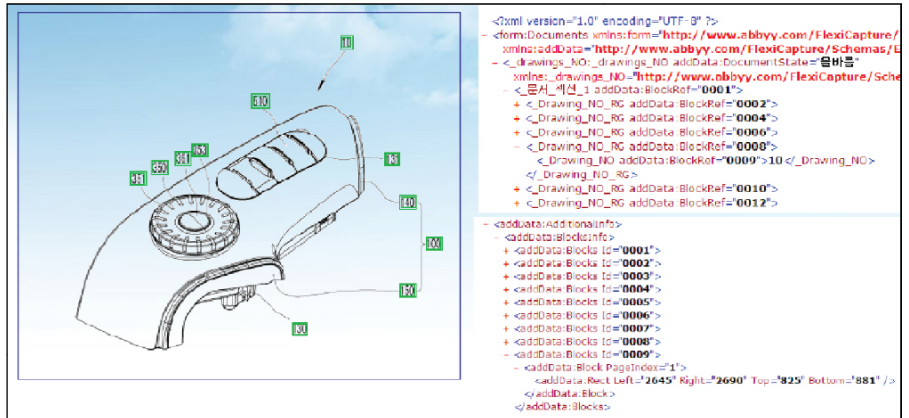
# ReTIA

Located at Gasan, Seoul, ReTIA is a leader in OCR, document capture & form processing solutions in Korea. The company has over 15 years of experience in the field, numerous world-known strategic partners, and customers among finance, government organizations, manufacturers and IT, including KIPO, CyberLogitec, HonestVision, National Assembly Library, etc.

retia.co.kr

## Results

Using ReTIA Solution based on ABBYY FlexiCapture software, the KIPO has greatly reduced time for patent examination and improved customer service, making it better, easier and faster for both parties. The single solution for processing patent drawings in different original formats automatically processes 42,000 pages per day with the least possible human control.



The Korean Intellectual Property Office has remained happy with ABBYY FlexiCapture's quality and stability. Thus, ReTIA has proved its expertise in OCR technologies, and Korean businessmen got another stimulus to patent their products, as the process is quick and easy now.

## About ABBYY

ABBYY is a leading global provider of technologies and solutions that help businesses effectively action information.

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