

# ***Patent Grading Report***

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# Patent Grading Report

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The patent grade is computed by Wisdomain's proprietary PatentGrading™ system using a set of assessment criteria well known to patent economics. The report provides the quality grade of the subject patent with an explanation to how the system quantitatively compares quality attributes of subject patent and all other patents in the same technology sector to reach an objective and transparent result.

**US8083XXX** (US2011019XXXXA1)

*Xxxxx for washer and dryer*

**■ Evaluation Grade**

**Overall Grade**

B+

**Remaining Life of Patent**

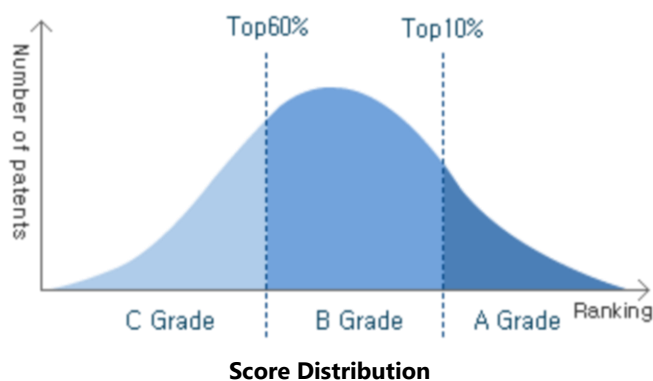
8 years    4 months

Evaluation Criteria	Grades
Inventors' Expertise	<b>A+</b>
Technology Significance	<b>C</b>
Technology Endurance	<b>C</b>
Market Scope	<b>A0</b>
Technology Focus	<b>B0</b>
Novelty	<b>C</b>
Assignee's Endeavors for Ownership of Technology	<b>N/A</b>
The Degree of Competitors' Containment	<b>N/A</b>
Breadth of Right	<b>C</b>
Completeness of Right	<b>A-</b>

The system compares the subject patent with hundreds, if not thousands, of patents that share the same IPC sub-classification and evaluates quality attributes described in this report. Each attribute is evaluated individually to measure its unique contribution weight to patent quality. Each evaluation result is then applied to a weighted scale to compute a sum weight. The sum weight is then applied to Ranking Percentile Index to arrive at the patent's final grade.

**■ Ranking Percentile Index**

The index is obtained by comparing quality attributes of subject patent and a set of patents chosen by the system and is used to set the benchmarks for assigning subject patent's final grade.



Ranking Percentile	Grades
Top 1%	<b>AA</b>
Within top 1~3%	<b>A+</b>
Within top 3~5%	<b>A0</b>
Within top 5~10%	<b>A-</b>
Within top 10~20%	<b>B+</b>
Within top 20~50%	<b>B0</b>
Within top 50~60%	<b>B-</b>
Below 60%	<b>C</b>

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- The analysis result may be subject to change with weekly patent database update in conjunction with patent authorities.

**US8042XXX** (US2011019XXXXA1)

*XXXXXX device and method of xxxxxxxx the same*

**■ Evaluation Grade**

**Overall Grade**

B0

**Remaining Life of Patent**

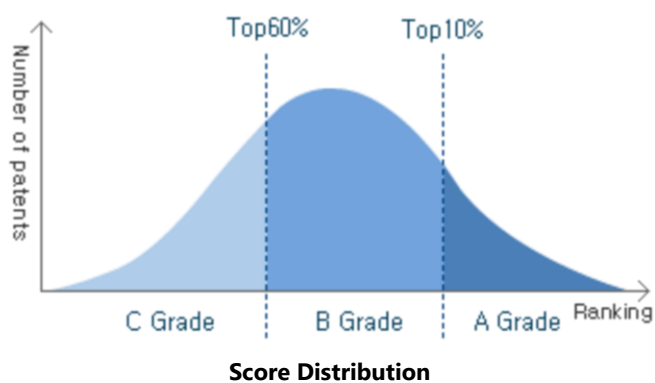
15 years    2 months

Evaluation Criteria	Grades
Inventors' Expertise	<b>A0</b>
Technology Significance	<b>B+</b>
Technology Endurance	<b>C</b>
Market Scope	<b>C</b>
Technology Focus	<b>C</b>
Novelty	<b>B0</b>
Assignee's Endeavors for Ownership of Technology	<b>N/A</b>
The Degree of Competitors' Containment	<b>N/A</b>
Breadth of Right	<b>A+</b>
Completeness of Right	<b>A-</b>

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Within top 1~3%	<b>A+</b>
Within top 3~5%	<b>A0</b>
Within top 5~10%	<b>A-</b>
Within top 10~20%	<b>B+</b>
Within top 20~50%	<b>B0</b>
Within top 50~60%	<b>B-</b>
Below 60%	<b>C</b>

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**US8035XXX** (US2011014XXXXA1)

XXXXX XXXXXXXX receiver and method for processing xxxxxx xxxxxxxx

**■ Evaluation Grade**

**Overall Grade**

AA

**Remaining Life of Patent**

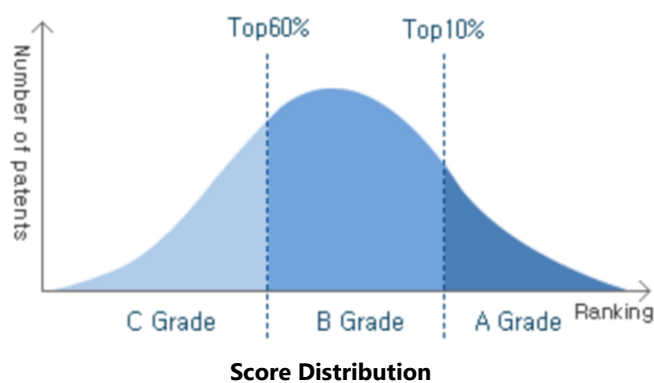
8 years    7 months

Evaluation Criteria	Grades
Inventors' Expertise	<b>AA</b>
Technology Significance	<b>AA</b>
Technology Endurance	<b>C</b>
Market Scope	<b>A+</b>
Technology Focus	<b>A+</b>
Novelty	<b>C</b>
Assignee's Endeavors for Ownership of Technology	<b>N/A</b>
The Degree of Competitors' Containment	<b>N/A</b>
Breadth of Right	<b>B-</b>
Completeness of Right	<b>B+</b>

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Within top 3~5%	<b>A0</b>
Within top 5~10%	<b>A-</b>
Within top 10~20%	<b>B+</b>
Within top 20~50%	<b>B0</b>
Within top 50~60%	<b>B-</b>
Below 60%	<b>C</b>

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**US7948XXX** (US2011009XXXXA1)

*XXXXXXXX XXXXXXXX system and method of processing data in XXXXXXXX XXXXXXXX system*

**■ Evaluation Grade**

**Overall Grade**

A0

**Remaining Life of Patent**

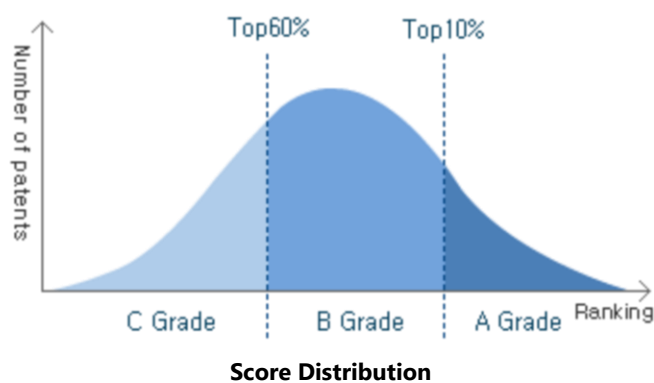
12 years    6 months

Evaluation Criteria	Grades
Inventors' Expertise	<b>AA</b>
Technology Significance	<b>B0</b>
Technology Endurance	<b>C</b>
Market Scope	<b>AA</b>
Technology Focus	<b>AA</b>
Novelty	<b>C</b>
Assignee's Endeavors for Ownership of Technology	<b>N/A</b>
The Degree of Competitors' Containment	<b>N/A</b>
Breadth of Right	<b>C</b>
Completeness of Right	<b>A-</b>

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Within top 5~10%	<b>A-</b>
Within top 10~20%	<b>B+</b>
Within top 20~50%	<b>B0</b>
Within top 50~60%	<b>B-</b>
Below 60%	<b>C</b>

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## Evaluation Criteria

### ■ Quality Attributes

#### 1. Inventors' Expertise

Description	Quality of inventors assigned to subject patent is compared with all other inventors in the same technology sector.
Evaluation Area	<p>Inventors Quality</p> <ul style="list-style-type: none"> <li>• Number of applications</li> <li>• Number of grants</li> <li>• Percentage of grants over applications</li> <li>• Number of patent families</li> <li>• Number of citations received</li> <li>• Number of claims</li> <li>• Duration of pending period</li> <li>• Number of continuations</li> <li>• Remaining life of surviving rights</li> </ul>

#### 2. Technology Significance

Description	The number of forward citations is used to measure the significance of the patent. Highly cited patents are more likely to be influential than less cited patents.
Evaluation Area	The number of citations received by subject patent over combined number of citations received by all other patents within same application year.

#### 3. Technology Endurance

Description	Measures the duration of forward citations. If a patent has a longer duration, then it is likely to have higher influence over patents with shorter duration.
Evaluation Area	The average time period between subject patent's application year and all other patents citing the subject patent.

#### 4. Market Scope

Description	The patent with a larger number of families has a broader scope of the market over patents with a smaller number of families.
Evaluation Area	The number of family patents.

#### 5. Technology Focus

Description	Continuing patents cover new aspects or improvements to their inventions. These types of patents include continuation, divisional, continuation-in-part. The patent belonging to such patent genealogy group is likely to hold strategic technology focus.
Evaluation Area	The number of genealogy patents.



## 6. Novelty

Description	The patent with less backward citations suggests there is less relevant prior art. The less the relevant prior art, the more independent the invention.
Evaluation Area	The number of cited prior art patents.

## 7. Assignee's Endeavors for Ownership of Technology

Description	Measures particular endeavors made by the inventor during an examination period such as early action request, disobedience to an office action, or reexamination request. (Applicable to Japanese patents only.)
Evaluation Area	The number of occurrences of early action request, disobedience to an office action, or reexamination request.

## 8. The Degree of Competitors' Containment

Description	Measures the degree of containment pursued by the competitor or any other organizations. Patents that endure severe containment effort are more likely to possess influential technology in the market.(Applicable to Japanese patents only.)
Evaluation Area	The number of request made to accesses the processed information and the number of request made for invalidation.

## 9. Breadth of Right

Description	Independent claims define the broadest scope of the patent and can increase the rate of innovation. The more independent claims the patent holds, the broader the scope of its exclusive right.
Evaluation Area	Total number of independent claims.

## 10. Completeness of Right

Description	Rejected claim reduces the scope of the right. The greater the number of rejected claims, the less the completeness of the right.
Evaluation Area	Total number of rejected claims.

## How the System Produces Final Grade

As shown on the weighted scale below, each quality attribute has a maximum weight of contribution to patent quality. Each evaluation result is applied to the scale to compute a sum weight. The sum weight is then applied to Ranking Percentile Index to arrive at the patent's final grade.

Evaluation Criteria	Weight
Inventors' Expertise	7
Technology Significance	6
Technology Endurance	5
Market Scope	4
Technology Focus	3
Novelty	2
Assignee's Endeavors for Ownership of Technology	4
The Degree of Competitors' Containment	4
Breadth of Right	4
Completeness of Right	3

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