

## CERTAIN ASPECTS OF NATIONAL/REGIONAL PATENT LAWS\*

## (5) Sufficiency of Disclosure

Country/Region	Sufficiency of Disclosure
Albania	An application shall disclose the invention in a clear manner and contain the necessary information for it to be carried out by a person skilled in the art.
Algeria	The description shall disclose the invention in a manner sufficiently clear and complete for it to be carried out by a person skilled in the art.
Andorra	The application shall disclose the invention in a manner sufficiently clear and complete for it to be carried out by a person skilled in the art.
Argentina	The application shall: 1. describe the invention with sufficient clarity and completeness for it to be carried out by an expert with average knowledge in the field concerned; 2. include a clear and accurate account of the best known method of carrying out and implementing the invention; 3. indicate the materials and components used.
Armenia	<del>The description shall set out the invention in sufficient detail for it to be carried out.</del>
Australia	An application shall: 1. disclose the invention in a manner which is clear enough and complete enough for the invention to be performed by a person skilled in the relevant art; 2. include the best method known to the applicant of performing the invention.
Austria	An application shall disclose the invention in a manner sufficiently clear and complete for it to be carried out by a person skilled in the art.
Azerbaijan	The description shall disclose the invention in a manner sufficiently clear and complete for it to be carried out by a person skilled in the art.
Bahrain	The description shall: 1. be sufficiently clear and complete; 2. be supported adequately.
Barbados	The description shall: 1. be sufficiently clear and complete to enable the invention to be evaluated and tested by a person having ordinary skill in the art; 2. indicate at least one mode known to the applicant for using the invention.
Belarus	The description shall disclose the claimed invention in sufficient detail for it to be carried out.
Belgium	The description shall be sufficiently clear and complete for it to be carried out by a person skilled in the art.

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\* Information is gathered from the primary legislation (for example, a patent law of an intellectual property code). The secondary legislation, such as Regulations under the primary legislation, has not been consulted.

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Belize	<p>The description shall:</p> <ol style="list-style-type: none"> <li>1. disclose the invention in a manner which is sufficiently clear and complete to permit a person having ordinary skill in the art to carry out the invention;</li> <li>2. indicate at least one mode known to the applicant in which the invention can be carried out.</li> </ol>
Bhutan	<p>The description shall disclose the invention in a manner sufficiently clear and complete for the invention to be carried out by a person having ordinary skill in the art, and shall, in particular, indicate at least one mode known to the applicant for carrying out the invention.</p>
Bolivia (Plurinational State of)	<p>The description shall:</p> <ol style="list-style-type: none"> <li>1. disclose the invention in a manner sufficiently clear and complete to be understood and for a person skilled in the technical field to be able to carry it out;</li> <li>2. disclose the best method known to the applicant of carrying out the invention;</li> <li>3. include the following information: <ol style="list-style-type: none"> <li>(a) the area of technology to which the invention relates and the previous technology known to the applicant;</li> <li>(b) the technical problem and solution the invention provides, its differences and advantages in relation to the earlier technology and its industrial applicability.</li> </ol> </li> </ol>
Bosnia and Herzegovina	<p>An application shall disclose the invention in a manner sufficiently clear and precise for it to be carried out by a person skilled in the art.</p>
Brazil	<p>An application shall:</p> <ol style="list-style-type: none"> <li>1. clearly and sufficiently describe the invention, so as to permit its reproduction by a person skilled in the art;</li> <li>2. indicate, where applicable, the best way of carrying it out.</li> </ol>
Bulgaria	<p>The description shall contain:</p> <ol style="list-style-type: none"> <li>1. a clear and adequate disclosure of the essential technical features of the invention and its advantages, in such manner that the invention may be carried out by a person skilled in the art;</li> <li>2. at least one example of an embodiment of the invention in support of its industrial applicability.</li> </ol>
Canada	<p>A specification shall correctly and fully describe the invention and its operation or use in sufficiently full, clear, concise and exact terms to enable any person skilled in the art to carry it out.</p>
Chile	<p>The description shall be sufficiently clear and complete for an expert or a person skilled in the art to carry out the invention without need for any other information.</p>
China	<p>The description shall be sufficiently clear and complete to enable a person skilled in the relevant field of technology to carry it out.</p>
Hong Kong China	<p>The application for and specification of a patent for an invention shall disclose the invention to which it relates in a manner sufficiently clear and complete for it to be performed by a person skilled in the art.</p>
Colombia	<p>The description shall:</p> <ol style="list-style-type: none"> <li>1. disclose the invention in a manner sufficiently clear and complete to be understood and for a person skilled in the technical field to be able to carry it out;</li> <li>2. disclose the best method known to the applicant of carrying out the invention;</li> <li>3. include the following information:</li> </ol>

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Colombia (cont'd)	(a) the area of technology to which the invention relates and the previous technology known to the applicant; (b) the technical problem and solution the invention provides, its differences and advantages in relation to the earlier technology and its industrial applicability.
Côte d'Ivoire	A specification of the invention for which the application is made, set out clearly and completely so that a person having ordinary knowledge and skill in the art could carry it out.
Costa Rica	The description shall specify the invention in a sufficiently clear and complete manner that a person skilled in the art can carry it out and shall in particular indicate the best way the applicant knows how to carry it out, giving, if possible, one or more concrete examples and identifying, if applicable, that one which would give the most satisfactory results in terms of industrial exploitation.
Croatia	The application shall disclose the invention in a manner sufficiently clear and precise for it to be carried out by a person skilled in the art.
Cyprus	The description shall disclose the invention in a manner sufficiently clear and complete for it to be carried out by a person skilled in the art.
Czech Republic	An application shall disclose the invention in a manner sufficiently clear and complete for it to be carried out by a person skilled in the art.
Denmark	The description shall be sufficiently clear to enable a person skilled in the art to carry out the invention.
Dominica	The description shall: (a) be sufficiently clear to enable a person having ordinary skill in the art to carry out the invention; (b) indicate at least one mode for carrying out the invention.
Dominican Republic	The description shall: 1. disclose the invention in a manner sufficiently clear and complete for it to be assessed and for a person skilled in the corresponding art to carry out the invention; 2. indicate the following information: (a) the technological, agricultural, scientific or other sector to which the invention relates or applies; (b) the prior art known to the applicant that may be considered useful for understanding and examining the invention, and references to documents and previous publications that discuss the technology; (c) description of the invention in terms that allow understanding of the technical problem and the solution provided by the invention and show the advantages it may have over the prior art; (d) brief description of drawings, if any; (e) the best mode known to the applicant to execute or implement the invention using examples and references to drawings; (f) how the invention is susceptible of industrial application except where this is obvious from the description or nature of the invention.
Ecuador	The description shall: 1. disclose the invention in a manner sufficiently clear and complete to be understood and for a person skilled in the technical field to be able to carry it out without undue experimentation; 2. include the following information: (a) title; (b) the area of technology to which the invention relates and the prior technology known to the applicant;

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Ecuador (cont'd)	(c) the technical problem and solution the invention provides, its differences and advantages in relation to the earlier technology and its industrial applicability; (d) the best method known to the applicant for making the invention, illustrated with examples and drawings, if necessary.
Egypt	The description shall include: 1. a full statement of the subject matter of the invention; 2. the best way to enable an expert person to carry it out.
El Salvador	The description shall: 1. disclose the invention in a manner sufficiently clear and complete for it to be evaluated and for a person skilled in the art to carry it out; 2. state: (a) the area of technology to which the invention relates and the prior art known to the applicant; (b) the technical problem and solution the invention provides, its differences and advantages in relation to the earlier technology and the manner in which it may be produced or used in any activity; (c) the best method known to the applicant of carrying out the invention.
Estonia	The description shall disclose the subject matter of the invention in a manner sufficiently clear and complete for it to be carried out by a person skilled in the art.
Finland	The description shall be sufficiently clear to enable a person skilled in the art to carry out the invention.
France	The application shall disclose the invention in a manner sufficiently clear and complete for it to be carried out by a person skilled in the art.
Georgia	The description shall be sufficiently clear and complete to enable the skilled person in the art to carry out the invention.
Germany	An application shall disclose the invention in a manner sufficiently clear and complete for it to be carried out by a person skilled in the art.
Ghana	The description shall: 1. disclose the invention in a manner sufficiently clear and complete for the invention to be carried out by a person having ordinary skill in the art; 2. indicate at least one mode known to the applicant for carrying out the invention.
Greece	The description shall be sufficient to enable the invention to be carried out by a person skilled in the art.
Guatemala	The description shall disclose: 1. the invention in a sufficiently clear and complete manner so that it may be carried out by a person skilled in the art; 2. the best way known to the applicant for carrying out the invention.
Honduras	The description shall disclose the invention in a manner sufficiently clear and complete for it to be evaluated, an opinion having been received from a person skilled in the art.
Hungary	An application shall disclose the invention in a manner sufficiently clear and detailed for it to be carried out by a person skilled in the art on the basis of the description and the drawings. The industrial applicability of a sequence or a partial sequence of a gene shall be disclosed in the patent application.
Iceland	The description shall be sufficiently clear to enable a person skilled in the art to carry out the invention.
India	An application shall: 1. fully and particularly describe the invention and its operation or use and the method by which it is to be performed;

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India (cont'd)	2. disclose the best method of performing the invention which is known to the applicant.
Ireland	An application shall disclose the invention in a manner sufficiently clear and complete for it to be carried out by a person skilled in the art.
Israel	An application shall describe the invention in a manner which enables it to be performed by a skilled person to perform it.
Italy	The application shall disclose the invention in a manner sufficiently clear and complete for it to be carried out by any person skilled in the art.
Japan	The application shall describe the invention in a manner sufficiently clear and complete for the invention to be carried out by a person having ordinary skill in the art.
Jordan	The description shall: 1. disclose the invention in a manner sufficiently clear and complete for it to be carried out by a person having ordinary skill in the art; 2. state the best mode known to the applicant for carrying out the invention.
Kazakhstan	The invention application shall contain the description, disclosing the invention in sufficient detail for it to be carried out by a specialist in the field.
Kenya	The description shall: 1. disclose the invention in such full, clear, concise and exact terms as to enable any person having ordinary skills in the art to make use and to evaluate the invention; 2. include at least one mode for carrying out the invention.
Kyrgyz Republic	An application for an invention shall contain the description of the invention, disclosing it in sufficient details for it to be carried out by a specialist in the field.
Latvia	The description of the invention shall: 1. be clear and complete enough for a specialist to implement the invention without supplementary inventive work; 2. describe the technical level, as known to the applicant.
Liechtenstein	An application shall describe the invention in a manner which enables it to be carried out by a man skilled in the art.
Lithuania	An application shall disclose the invention in such full and clear terms as to enable any person skilled in the art to use the invention.
Luxembourg	The patent application shall disclose the invention in a manner sufficiently clear and complete for it to be carried out by a person skilled in the art.
Madagascar	The description shall disclose the invention in a manner sufficiently clear and complete for it to be carried out by a person skilled in the art without undertaking an inventive activity. It shall describe the best mode contemplated by the applicant for carrying out the invention.
Malaysia	The description shall: 1. disclose the invention in such terms that it can be understood and in a manner sufficiently clear and complete for the invention to be evaluated and to be carried out by a person having ordinary skill in the art, and state any advantageous effects of the invention with reference to the background art; 2. briefly describe the best mode contemplated by the applicant for carrying out the invention; 3. specify:

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Malaysia (cont'd)	(a) the technical field to which the invention relates; (b) the background art; (c) the way in which the invention is industrially applicable and can be made and used.
Malta	The application shall disclose the invention in a manner sufficiently clear and complete for the invention to be carried out by a person skilled in the art.
Mauritius	The description shall: 1. disclose the invention in a manner which is sufficiently clear and complete for the invention to be carried out by a person having ordinary skill in the art; 2. indicate at least one mode known to the applicant for carrying out the invention.
Mexico	The description shall disclose the invention in a manner sufficiently clear and complete to be carried out by a person skilled in the art, and the best method known to the applicant for putting it into practice, as well as the information supporting the industrial application of the invention.
Republic of Moldova	The invention shall be disclosed in the patent application in a manner sufficiently clear, complete and correct from the technical-scientific point of view for it to be carried out by a person skilled in the art.
Mongolia	The description of the invention shall state essential features of the solution for which the invention is claimed and the relevant prior art, and disclose the invention in a manner sufficiently clear and complete so as to enable a person skilled in the art to practice it, and shall indicate the best mode known of carrying out the invention.
Morocco	The description: 1. should disclose the invention in a manner sufficiently clear and complete for the invention to be carried out, without undue experimentation, by a person skilled in the art at the date of filing. A claimed invention is sufficiently substantiated by disclosed information where such information reasonably demonstrates to a person skilled in the art that the applicant was in possession of the claimed invention at the date of filing the patent application. 2. shall comprise: (a) an indication of the technical field to which the invention relates; (b) an indication of the prior art known to the applicant which may be considered useful for understanding the invention; (c) a statement of the invention, as characterized in the claims, to enable the technical problem and solution the invention provides to be understood; its advantages in relation to the prior art, where applicable; (d) a brief description of the drawings, where they exist; (e) a detailed statement containing at least one embodiment of the invention; the statement should contain in principle examples and references to the drawings, where they exist; (f) an indication of the industrial applicability of the invention, where such applicability is not obvious from the description or the nature of the invention.
Mozambique	The description shall: 1. disclose the invention in a manner sufficiently clear and complete for the invention to be carried out by a person skilled in the art; 2. indicate at least one way of carrying it out.
Netherlands	The description of the invention shall be clear and complete and be of such a nature as to enable a person skilled in the art to understand it and carry it out the invention.
New Zealand	An application shall disclose:

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New Zealand (cont'd)	<ol style="list-style-type: none"> <li>1. the invention in a manner which is clear and complete enough for it to be performed by a person skilled in the art; and</li> <li>2. the best method of performing the invention that is known to the applicant.</li> </ol>
Nicaragua	<p>The description shall:</p> <ol style="list-style-type: none"> <li>1. disclose the invention in a manner sufficiently clear and complete for the invention to be understood and carried out by a person skilled in the art;</li> <li>2. include the following information: <ol style="list-style-type: none"> <li>(a) the area of technology to which the invention relates and the prior art known to the applicant;</li> <li>(b) the technical problem and solution the invention provides, its differences and advantages in relation to the earlier technology and its industrial applicability;</li> <li>(c) the best method of carrying out the invention known to the applicant.</li> </ol> </li> </ol>
Nigeria	The description shall disclose the relevant invention in a manner sufficiently clear and complete for it to be carried out by a person skilled in the art.
Norway	The description shall be sufficiently clear and complete to enable a person skilled in the art to carry out the invention.
Republic of North Macedonia	The description shall disclose the invention in a manner sufficiently clear and precise for it to be carried out by a person skilled in the art.
Oman	The description shall disclose the invention in a manner sufficiently clear and complete for the invention to be carried out by a person having ordinary skill in the art.
Pakistan	<p>The specification shall:</p> <ol style="list-style-type: none"> <li>1. fully and particularly describe the invention and the methods by which it is to be performed;</li> <li>2. disclose the invention which is known to the applicant and for which he is entitled to claim protection;</li> <li>3. end with a claim or claims concisely defining the scope of the invention for which protection is claimed.</li> </ol>
Panama	<p>The description shall:</p> <ol style="list-style-type: none"> <li>1. disclose the invention in a manner sufficiently clear and complete for the invention to be evaluated and carried out by a person skilled in the art, without undue experimentation;</li> <li>2. reasonably indicate to a person skilled in the art that the applicant was in possession of the invention on the patent application filing date, it being understood that possession implies that the applicant was capable of putting the invention into practice;</li> <li>3. bear the name of the invention and shall comprise the following information: <ol style="list-style-type: none"> <li>(a) the area of technology to which the invention relates and the prior art known to the applicant;</li> <li>(b) the technical problem and solution the invention provides, its differences and advantages in relation to the earlier technology;</li> <li>(c) a description of drawings, if any;</li> <li>(d) a description of the best method known to the applicant for making the invention or putting it into practice;</li> <li>(e) the way in which the invention can be produced or used in an activity, except when this is obvious from the description or the nature of the invention.</li> </ol> </li> </ol>
Papua New Guinea	<p>The description shall:</p> <ol style="list-style-type: none"> <li>1. disclose the invention in a manner sufficiently clear and complete for the invention to be carried out by a person having ordinary skill in the art;</li> </ol>

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Papua New Guinea (cont'd)	2. indicate the best method known to the applicant for carrying out the invention.
Paraguay	<p>The description shall:</p> <ol style="list-style-type: none"> <li>1. disclose the invention in a manner sufficiently clear and complete to be understood and for a person skilled in the technical field to be able to carry it out;</li> <li>2. indicate the title of the invention, the sector to which the invention relates or applies the previous technology known to the applicant and previous references, documents and publications related to that technology;</li> <li>3. explain in detail the technical problem and solution the invention provides, as well as the best mode known to the applicant to execute or implement the invention.</li> </ol>
Peru	<p>The description shall:</p> <ol style="list-style-type: none"> <li>1. disclose the invention in a manner sufficiently clear and complete to be understood and for a person skilled in the technical field to be able to carry it out;</li> <li>2. disclose the best method known to the applicant of carrying out the invention;</li> <li>3. include the following information: <ol style="list-style-type: none"> <li>(a) the area of technology to which the invention relates and the previous technology known to the applicant;</li> <li>(b) the technical problem and solution the invention provides, its differences and advantages in relation to the earlier technology and its industrial applicability.</li> </ol> </li> </ol>
Philippines	The application shall disclose the invention in a manner sufficiently clear and complete for it to be carried out by a person skilled in the art.
Poland	<p>The description shall:</p> <ol style="list-style-type: none"> <li>1. disclose the invention in a manner sufficiently clear and complete for it to be carried out by a person skilled in the art;</li> <li>2. specify the technical field to which the invention relates and the background art known to the applicant;</li> <li>3. present the invention in a detailed manner, and indicate the way(s) of carrying it out.</li> </ol>
Portugal	The description shall indicate in a clear and concise manner with no reservations or omissions everything of which consists the invention, including at least one detailed explanation of how a person skilled in the art can carry it out.
Republic of Korea	The description shall describe the invention clearly and in detail so that a person with ordinary skill in the art to which the invention pertains may easily work the invention.
Romania	An application shall disclose the invention in a manner sufficiently clear and complete for it to be carried out by a person skilled in the art.
Russian Federation	The description shall disclose the claimed invention in sufficient detail for it to be carried out.
Saint Lucia	An application shall disclose the invention in a manner which is sufficiently clear and complete for the invention to be carried out by a person skilled in the art.
Saudi Arabia	The description shall be clear and adequate for an ordinary person in the art to execute, and a detailed explanation of all aspects of the invention and the method of its industrial application shall be given, disclosing the best way of implementing it at the filing date or the priority date.
Serbia	An application shall disclose the invention in a manner that is sufficiently clear and complete for the invention to be carried out by a person skilled in the art.
Singapore	An application shall disclose the invention in a manner which is clear and complete for the invention to be performed by a person skilled in the art.
Slovak Republic	1. An application shall disclose the invention in a manner sufficiently clear and complete for it to be carried out by a



Country/Region	Sufficiency of Disclosure
Slovak Republic (cont'd)	<p>person skilled in the art.</p> <p>2. The description shall contain the following:</p> <p>(a) the technical field which the invention relates and the existing state of the art;</p> <p>(b) the nature of the invention, its advantages or, possibly, disadvantages as against the existing state of the art and its methods of industrial application;</p> <p>(c) examples of performing the invention.</p>
Slovenia	<p>1. An application shall describe the invention with sufficient clarity and detail to enable a person skilled in the art to apply it in a given field.</p> <p>2. The description shall present the problem to be solved, the prior art and its deficiencies, and the solution to the problem.</p>
South Africa	<p>An application shall:</p> <p>1. fully describe and ascertain the invention and the manner in which it is to be performed;</p> <p>2. disclose the best method of performing the invention known to the applicant.</p>
Spain	<p>The invention shall be described in the patent application in a sufficiently clear and comprehensive manner to enable a person skilled in the art to carry it out.</p>
Sri Lanka	<p>The description shall:</p> <p>1. disclose the invention in a manner sufficiently clear and complete for the invention to be evaluated, and to be carried out by a person having ordinary skill in the art;</p> <p>2. indicate the best mode known to the applicant for carrying out the invention.</p>
Sweden	<p>The description shall:</p> <p>1. be sufficiently clear for a person skilled in the art to carry out the invention;</p> <p>2. indicate how the invention can be industrially exploited.</p>
Switzerland	<p>The application shall disclose the invention in such a way that a person skilled in the art may carry it out.</p>
Syrian Arab Republic	<p>1. An application shall disclose the invention in a manner sufficiently clear and complete for it to be carried out by a person skilled in the art.</p> <p>2. Indicate the best way of carrying it out.</p> <p>3. The technical problem and solution the invention provides its differences and advantages in relation to the earlier technology and its industrial applicability.</p>
Tajikistan	<p>The description shall disclose the invention in a manner sufficiently complete for it to be carried out by a person skilled in the art.</p>
Thailand	<p>The description shall:</p> <p>1. be sufficiently complete, concise, clear and exact to enable any person ordinarily skilled in the art to make and use the invention;</p> <p>2. disclose the best mode of carrying it out contemplated by the inventor.</p>
Trinidad and Tobago	<p>An application shall:</p> <p>1. disclose the invention in a manner which is clear and complete enough for it to be performed by a person skilled in the art;</p> <p>2. indicate at least one mode known to the applicant for carrying out the invention.</p>
Tunisia	<p>The description shall be sufficiently clear and complete for a person skilled in the art to carry out the invention.</p>

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Turkey	The description shall be sufficiently clear and complete for it to be carried out by a person skilled in the art.
Uganda	Disclosure of the claimed invention shall be considered sufficiently clear and complete if it provides information which is sufficient to allow that invention to be made and used by a person who has ordinary skill in the art on the filing date, without undue experimentation.
Ukraine	The description shall disclose the invention in a manner sufficiently clear and complete for it to be carried out by a person skilled in the art.
United Kingdom	An application shall disclose the invention in a manner which is clear and complete enough for it to be performed by a person skilled in the art.
United States of America	The description shall disclose: 1. the manner and process of making and using the invention in such full, clear, concise, and exact terms as to enable any person skilled in the art to make and use it; 2. the best mode contemplated by the inventor of carrying it out.
Uruguay	The application shall contain a clear and full description of the invention.
Uzbekistan	The description shall disclose sufficient information for the invention to be carried out.
Zambia	The description or specification of the application shall: 1. fully describe the invention and the manner in which it is to be performed; 2. disclose the best method of performing the invention known to the applicant at the time when the specification is lodged at the Patent Office; and 3. end with a claim or claims defining the subject-matter for which protection is claimed.
Zimbabwe	The specification shall: 1. fully describe the invention and the manner in which it is to be performed and; 2. disclose the best method of performing the invention known to the applicant at the time when the specification is lodged at the Patent Office.

Regional Offices	Sufficiency of Disclosure
African Intellectual Property Organization (OAPI)	A specification of the invention for which the application is made, set out clearly and completely so that a person having ordinary knowledge and skill in the art could carry it out.
African Regional Intellectual Property Organization (ARIPO)	<p>The description shall:</p> <ol style="list-style-type: none"> <li>1. disclose the invention in such terms that it can be understood;</li> <li>2. set forth at least the best mode contemplated by the applicant for carrying out the invention;</li> <li>3. briefly describe the figures in the drawings, if any;</li> <li>4. state: <ol style="list-style-type: none"> <li>(a) its advantageous effects, if any, with reference to the background art;</li> <li>(b) the technical field to which the invention relates;</li> <li>(c) the background art known to the applicant;</li> <li>(d) the way in which the invention is industrially applicable and can be made and used when it is not obvious from the description or nature of the invention.</li> </ol> </li> </ol>
Eurasian Patent Organization (EAPO)	An application shall disclose the invention in a manner sufficiently clear and complete for it to be carried out by a person skilled in the art.
European Patent Organisation (EPO)	An application shall disclose the invention in a manner sufficiently clear and complete for it to be carried out by a person skilled in the art.
Patent Office of the Cooperation Council for the Arab States of the Gulf (GCC)	The specification shall disclose the invention in a manner sufficiently clear and complete for the invention to be carried out by a person having ordinary skill in the art.