Response ID:132 Data

1. Identification page

Please enter the ST.3 code and name of the member state or international organization you represent.

RU - Russian Federation

Please enter the name of the office or organization you represent. For instance, Canadian Intellectual Property Office. If your organization name is the same as your ST.3 code name, you may put "n/a".

Federal Service for Intellectual Property (ROSPATENT)

Please enter your email address so we can contact you if we have questions about your response.

vmamontov@rospatent.gov.ru

2. Questions page

Q 1. Does your Office currently use 3D models, 3D images or 3D chemical structures?

Yes

1. Q 1.1. If yes, for what IP rights:

Trademarks
Industrial Designs
Inventions
Utility models

Q 1.2. Does your Office implement WIPO Standard ST.91 within its work?

Yes, fully

Q 2.1. What formats of 3D models, 3D images or 3D chemical structures does your Office currently accept for each IP right?

	Trademarks	Industrial Designs	Inventions (except 3D chemical structures)	Utility models	Integrated circuit topology	Inventions (3D chemical structures)
None, my Office doesn't operate this type of IP right						
None, my Office doesn't accept 3D models, 3D images or 3D chemical structures for this type of IP right					X	
3D PDF	X	X	X	X		
IGES						
OBJ	X	X	X	X		
STL	X	X	X	X		
STEP/STP	X	X	X	X		
U3D	X	X	X	X		
MOL						X
CDX						X

Other (please specify):

Q 2.2. **What software does your Office currently use for the visualization of 3D models, 3D images or 3D chemical structures during the examination process?**
Please specify:

Rospatent uses the in-house developed information system, specifically designed for the IPO given the experts needs and requirements, including visualization and search modules.

Q 2.3. **What formats of 3D models, 3D images or 3D chemical structures does your Office currently use for the electronic publication for each IP right operated by Office?**

	Trademarks	Industrial Designs	Inventions (except 3D chemical structures)	Utility models	Integrated circuit topology	Inventions (3D chemical structures)
None, my Office doesn't operate this type of IP right						
None, my Office doesn't publish information of this type of IP right electronically						
None, my Office doesn't publish information of 3D models, 3D images or 3D chemical structures electronically even if they were accepted					X	X
2D images received by my Office from the source 3D models or 3D images						
3D PDF	X	X	X	X		
IGES						
OBJ						
STL						
STEP/STP						
U3D						
MOL						
CDX						

Other (please specify):

Q 2.4. What software does your Office currently use for the electronic publication of 3D models, 3D images or 3D chemical structures?

Rospatent uses the in-house developed information system, specifically designed for the IPO given the experts needs and requirements, including visualization and search modules. The system is also capable of creating 3D PDF of each 3D representation filed, that is further published as part of the official e-publication in PDF format at post-registration stage or filed application in line with the publication rules and requirements depending on the IPR type

---

Q 2.5. What formats of 3D models, 3D images or 3D chemical structures does your Office currently use for the paper publication for each IP right?

	Trademarks	Industrial Designs	Inventions (except 3D chemical structures)	Utility models	Integrated circuit topology	Inventions (3D chemical structures)
None, my Office doesn't operate this type of IP right						
None, my Office doesn't publish information of this type of IP right on paper	X	X	X	X	X	X
None, my Office doesn't publish information of 3D models, 3D images or 3D chemical structures on paper even if they were accepted						
2D images received by Office from the source 3D models or 3D images						
Link to the 3D object online						

Other (please specify):

Q 2.6. Does your Office carry out search for the comparison of the 3D models and 3D images with 3D models and 3D images during the examination process and if so, in what formats for each IP right?

	Trademarks	Industrial Designs	Inventions (except 3D chemical structures)	Utility models	Integrated circuit topology
No					X
Yes, my Office uses 2D representations of 3D models for the comparison	X	X	X	X	
Yes, my Office uses 3D models themselves for the comparison	X	X	X	X	

Other (please specify):

Q 2.7. What software does your Office currently use for the comparison of the 3D models and 3D images with 3D models and 3D images during the examination process?

Rospatent uses the in-house developed information system, specifically designed for the IPO given the experts needs and requirements, including visualization and search modules.
Seach module was designed and developed using both statistical and AI methods (Siamese neural network) to carry out search and comparison of 3D visual representations

Q 2.8. Does your Office carry out search for the comparison of the 3D models and 3D images with 2D images during the examination process and if so, in what formats for each IP rights?

	Trademarks	Industrial Designs	Inventions (except 3D chemical structures)	Utility models	Integrated circuit topology
No			X	X	X
Yes, my Office uses 2D representations of 3D models for the comparison	X	X			
Yes, my Office uses 3D representations of 2D images for the comparison					

Other (please specify):

Q 2.9. What software does your Office currently use for the comparison of the 3D models and 3D images with 2D images during the examination process?

Rospatent uses the in-house developed information system to automatically create 2D views of filed 3D representations as recommended by the Standard, that also allows experts to manually adding other 2D representations. Such an approach is also applied in other in-house developed information systems to carry out similarity search of trademarks and industrial designs 2D representations

Q 3.1. Please describe existing practices or future plans for using 3D models, 3D images or 3D chemical structures within your Office

Currently, 3D representations are considered as supplementary material in applications for trademarks, industrial designs, inventions and utility models. The in-house information system is used for processing applications, containing 3D visual representations. The current work is focused on collecting more 3D representations to properly train the neural network. Furthermore, the work is ongoing to integrate search capabilities into the patent search system, in addition to the trademarks and industrial designs search system.

Q 3.2. Please describe existing practices or future plans relating to the implementation of WIPO Standard ST.91 within your Office

Currently, Rospatent fully implements WIPO Standard ST.91

Q 4. Any other comments

4. Thank you

Send confirmation email

Apr 05, 2024 18:55:12 Success: Email Sent to: vmamontov@rospatent.gov.ru,cws.surveys@wipo.int