Overview (1/3)

- Introduction of 3D Drawing Filing System
  - for the purpose of serving wider industrial demands and improving filing convenience (as of January 1, 2010)
Overview (2/3)

- Reasons for refusing registration of 3D modeling drawings:
  - It is in a wireframe state, not a shading state, or expressed as 2D drawing
  - The overall shape of the item is not clearly shown or it is difficult to identify the item
  - When the drawing is executed, the drawing is broken or exploded
  - It is difficult to know whether it is transparent because it does not clearly express the state of transparency
Overview (3/3)


“From filing to disclosure, digitally and seamlessly”

“Convenient, efficient and user-friendly”
Application and Examination Procedure

- KIPOnet (filing) → Examiner (drawing inquiry), 2D Drawing extraction → Disclosure of Registration Notice
Application Status by Format (2013~2022)

- IGES: 15,212
- 3DM: 9,159
- 3DS: 5,443
- DWG: 3,969
- DWF: 213
2D Drawing Image Extraction

- 3D Drawing → 2D Drawing extraction (Search DB mounted)
3D Application Drawing Examination

- CADian Viewer is used for drawing execution.
Future Plans (1/2)

❖ WIPO CWS enacted standards for 3D drawing requirements (in 2021).

❖ KIPO plans to change it to a universal format according to WIPO CWS’s recommendation ST.91 (by 2023).
Future Plans (2/2)

Format Change (2023)

Change from old format IGES, 3DM, 3DS, DWG, DWF to **IGES, OBJ, STEP, STL**

- Exclude U3D files

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Thank you!