

**Abstract**

## **Legal Issues of 3D Design File On Copyright Law**

Jeon, Seongtae

In recent times, the 3D Printing industrial sector which is having an impact on the copyright field is growing at a surprising rate. The fact of the matter is the point of view how to think about the 3D design file as one of the components for the 3D printing. 3D design files can modify and transform easily and are essentially distributive and circulatory through online channel, have the characteristic that is called diffusion. And they are also the data model of the specific object, closely connected with embodied objects and that by itself is very functional. Especially the 3D design file is another expression of the 3D printed object on the formation of aspect.

On the basis of this perspective, this paper attempts a comparative review on the copyright-ability of photography works to judge the copyrightability of 3D design files. Furthermore in the classification works of 3D design files, this paper also elaborates the problem of the current law in regard to architectural works and computer program works. With reference to a variation of 3D design files, this study examines the issue about the fair use of them and article 103 of copyright law that is concerned with the burden of 'notice and takedown system' of copy and transmission to implement without certain assessments whether to have copyright or not to. On this wise, the points at issue related to 3D design files will have an substantial influence on the copyright law and be in need of review for the appropriate counterplan.

**Keywords**

3D Printing, 3D Scanner, 3D Design File, Copyrightability, Fair Use, Figure works, Architectural Works, Online Service Provider