COMPANY	PATENT	DATE FILED	STATUS/ISSUED
NEXTECH	**THREE-DIMENSIONAL (3D) MODEL GENERATION FROM TWO-DIMENSIONAL (2D) IMAGES** - *covers core AI algorithms for creating 3D models automatically from 2D photos and is the core of Threedy tech*	July 2022	To be issued April 2, 2024
NEXTECH	**EFFICIENT CREATION OF 3D MODEL AND APPLICATION** - *covers the virtual assembly line concept that helps scale 3D content creation from 2D photos*	March 2022	Pending
NEXTECH	**MATERIAL ESTIMATION FOR 3D MODELING AND APPLICATION** - *covers the AI/ML techniques for creating 3D textures and materials automatically from 2D reference photos*	March 2022	Pending
NEXTECH	**AUTOMATICALLY EXTRACTING TILEABLE UNITS FROM IMAGES** - *describes a method for compressing large textures with regular patterns to significantly reduce the size of the texture files*	March 2022	Pending
NEXTECH	**AUTOMATIC BACKGROUND REMOVAL FOR HUMAN TELEPRESENCE** - *covers the technologies built into our HoloX app to create holograms without requiring a green screen*	May 2023	Pending
NEXTECH	**THREEDIMENSIONAL (3D) MODEL GENERATION FROM CAD DATA -** *covers core artificial - intelligence algorithms for creating 3D models automatically from 2D photos*	March 2022	Issued
ARWAY	**GENERATING 3D DIGITAL TWIN FROM PROPERTY FLOORPLAN IMAGES FOR NAVIGATION SYSTEMS** – *covers the framework for generating a virtual representation of a floorplan from floorplan images, in accordance with some embodiments.*	March 2023	Pending
ARWAY	**DEVICE LOCALIZATION BASED ON TWO-DIMENSIONAL (2D) REFERENCE IMAGES** – *covers integration of visual markers, such as QR codes or other identifiable 2D objects in the physical environment, with an online map database.*	June 2023	Pending
TOGGLE/NEXTECH	**GENERATIVE AI FOR 3D MODEL CREATION FROM 2D PHOTOS USING STABLE DIFFUSION WITH DEFORMABLE TEMPLATE CONDITIONING -** *creating 3D models from 2D reference photos, either as a whole, or part-by-part by evolving differentiable, deformable templates to convert into 3D parts, conditioned on one or more reference photos of the part.*	March 2023	Provisional Filed