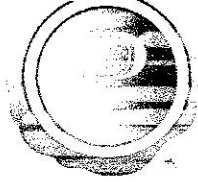


EXHIBIT 30 TO OKADA DECLARATION
(ENGLISH TRANSLATION)

Petition for *Inter Partes* Review of
U.S. Pat. No. 7,477,284
IPR2013-00327
EXHIBIT
Sony- 1138



March 28, 2013


Certification

Park IP Translations

I, Christopher Girsch, hereby declare:

I possess advanced knowledge of the Japanese and English languages. The attached translation is, to the best of my knowledge and belief, a true and accurate translation from Japanese into English of the VRSJ Research Report.

I declare under penalty of perjury that the foregoing is true and correct.



Christopher Girsch

Park Case # 38124

VP Gaku Kenpo Vol. 2, No. 1
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- VRSJ Research Report -
Virtual Reality Society of Japan Research Report

SIG-CyberSpace
Virtual City Research Group

November 27, 1997

Virtual Reality Society of Japan

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A Virtual Park on Top of Spline - Bicycle Media Park -
TAKAHASHI Katsuhide, Eric Young-Sang SHIM, MIYAUCHI Nobuhito, SAEKI Toshiaki,
FUKUOKA Hisao

Information Technology R&D Center, Mitsubishi Electric Corporation

We built the Bicycle Media Park, a virtual part in which multiple users can interact through a network. The Bicycle Media Park is equipped with the facilities of aquarium, space walk building, Ferris wheel and cycling racetrack inside a park that is 1.6 square kilometers, and multiple users who are distributed geographically can meet inside one park, share an experience with these facilities, and talk with one another by audio. This park was built with Spline, a software platform for distributed virtual environments (DVE) that we developed previously. We were able to confirm that it is possible to create distributed virtual environments flexibly and efficiently by employing Spline. In this essay, we describe the characteristics of the implementation of the service facilities inside Bicycle Media Park.

A virtual park on top of Spline — Bicycle Media Park —

**Katsuhide Takahashi, Eric Young-Sang Shim,
Nobuhito Miyauchi, Toshiaki Saeki, Hisao Fukuoka**

**Information Technology R&D Center
Mitsubishi Electric Corporation**

We have developed Bicycle Media Park (BMP) which enables multi-user interaction in distributed virtual environment (DVE). BMP has 1.6 km square terrain and provides several amusement facilities. Users of BMP explore the park, visit aquarium, space walk building, ferris wheel and bicycle stadium by riding bike. Geographically distributed users can come across, talk each other, and share their experience in the park. BMP is implemented on top of Spline, a software platform for building DVEs. Spline makes it easy and flexible to provide DVE applications. This paper describes design and implementation of facilities in BMP with Spline.

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