

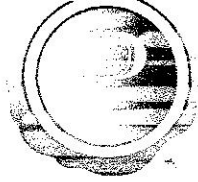
EXHIBIT 2M TO MATSUDA  
DECLARATION  
(ENGLISH TRANSLATION)

Petition for *Inter Partes* Review of  
U.S. Pat. No. 7,477,284

IPR2013-00327

EXHIBIT

Sony- 1120



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  
ISSN 1343-0572

**- VRSJ Research Report -**  
**Virtual Reality Society of Japan Research Report**

SIG-CyberSpace  
Virtual City Research Group

November 27, 1997

Virtual Reality Society of Japan

**Table of Contents of the Virtual Reality Society of Japan Research Report**  
**CONTENTS**

[Virtual City Research Group]  
[SIG-CyberSpace]

November 27, 1997 (Thursday)

VCR 97-11 A Virtual Park on Top of Spline - Bicycle Media Park –  
TAKAHASHI Katsuhide, Eric Young-Sang SHIM, MIYAUCHI Nobuhito, SAEKI Toshiaki,  
FUKUOKA Hisao (Mitsubishi Denki)

VCR 97-12 Generation of Panoramic Stereo Images from Monocular Moving Images KAWAKITA  
Yasuhiro, HAMAGUCHI Yoshitaka, TSUKAMOTO Akitoshi, MIYAZAKI Toshihiko (Oki  
Denki)

VCR 97-13 Video Workthrough for Positioning Live Video in a CG Space  
KIHARA Tamio, NISHIMURA Tsuyoshi, NAKAKURA Kazuaki (NTT)

VCR 97-14 Methods for Expressing Realistic Action in Virtual Space  
HONDA Shinkuro, KIMURA Shoryo, OZAWA Ryuji, OTA Kenji, OKADA Ken'ichi,  
MATSUSHITA Yutaka (Keio University)

VCR 97-15 Examination of the Registration of Information Icons in 3-Dimensional Virtual  
Space  
INOUE Masayuki, KIYOSUE Yasuyuki (NTT)

Virtual City Research Group VCR 97-11  
November 27, 1997

**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.**

# Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

## Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

## Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

## API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

## LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

## FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

## E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.