

# AVIGILON

a Motorola Solutions Company

**Canon Inc., Canon U.S.A., Inc., and  
Communications AB**

**v.**

**Avigilon Fortress Corporation**

IPR2019-00311 & IPR2019-00314: **U.S. Patent**

**Avigilon's Oral Argument**

***April 8, 2020***

## Roadmap

Background

Collateral Estoppel Does Not Apply

Claim Construction

Ground 1: Kellogg Does Not Anticipate Claims

Ground 2: Kellogg In View Of Brill Does Not P  
Claims 1-41 Obvious

Ground 3: Dimitrova In View of Brill Does No  
Claims 1-41 Obvious

Printed Publication Status

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Printed Publication Status

# The '923 Patent

## U.S. Patent No. 7,932,923

US007932923B2

(12) **United States Patent**  
Lipton et al.

(10) **Patent No.:** US 7,932,923 B2  
(45) **Date of Patent:** Apr. 26, 2011

(54) **VIDEO SURVEILLANCE SYSTEM EMPLOYING VIDEO PRIMITIVES**

(75) **Inventors:** Alan J. Lipton, Falls Church, VA (US); Thomas M. Strick, Palcos, VA (US); Peter L. Verelander, Mel oon, VA (US); Mark C. Allison, Maricopa, CO (US); William E. Severson, Littleton, CO (US); Niels Haring, Arlington, VA (US); Andrew J. Chouk, McLean, VA (US); Zhong Zhang, Herndon, VA (US); Matthew F. Frazier, Arlington, VA (US); James S. Suckow, Arlington, VA (US); Takashi Hirata, Silver Spring, MD (US); John Clark, Leeburg, VA (US)

(73) **Assignee:** ObjectVideo, Inc., Reston, VA (US)

(\*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) **Appl. No.:** 12/569,116

(22) **Filed:** Sep. 29, 2009

(65) **Prior Publication Data**  
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(52) **U.S. Cl.** 348/043

(58) **Field of Classification Search** 375/143, 375/144, 145, 148; H04N 7/18  
See application file for complete search history.

(56) **References Cited**  
U.S. PATENT DOCUMENTS  
3,812,287 A 5/1974 Lindlow  
4,246,207 A 2/1981 Hammett et al.  
4,257,063 A 3/1981 Loughy et al.

(57) **ABSTRACT**  
A video surveillance system is set up, calibrated, tasked, and operated. The system extracts video primitives and extracts event occurrences from the video primitives using event discriminators. The system can undertake a response, such as an alarm, based on extracted event occurrences.

41 Claims, 7 Drawing Sheets

## VIDEO SURVEILLANCE SYSTEM EMPLOYING VIDEO PRIMITIVES

**Inventors:** Alan J. Lipton, Thomas M. Strick, Peter L. Verelander, Mark C. Allison, William E. Severson, Niels Haring, Andrew J. Chouk, Zhong Zhang, Matthew F. Frazier, James S. Suckow, Takashi Hirata, John Clark

**Assignee:** ObjectVideo, Inc.

## Challenge 1-

Ex. 1001 ('923 Patent)

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## The '923 Patent

### '923 Patent

A video surveillance system is set up, calibrated, and operated. The system extracts video primitive event occurrences from the video primitive event occurrences. The system can undertake a real-time alarm, based on extracted event occurrences.

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