

## CATV Essential Patent Portfolio

As of January 1, 2012

### France Telecom, SA / TDF SAS

JP3044899

JP3827718

### Fujitsu Limited

JP3918329

### Hitachi Consumer Electronics Co., Ltd.

JP2760799 \* Expired on 2008/04/28

JP2798086 \* Expired on 2008/04/28

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### **Hitachi Consumer Electronics Co., Ltd. / Nippon Hoso Kyokai**

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### **JVC KENWOOD Corporation**

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### **Mitsubishi Electric Corporation**

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### NEC Corporation

JP3090137

### Nippon Hoso Kyokai

JP2883238

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## **Panasonic Corporation**

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### **Panasonic Corporation / Nippon Hoso Kyokai**

JP3083159

JP4057603

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### **Pioneer Corporation**

JP2829159

\* Expired on 2011/09/10

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### **Sanyo Electric Co., Ltd.**

JP3108392

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### Sharp Corporation

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### Sony Corporation

JP3077467

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### **Sony Corporation / Nippon Hoso Kyokai**

JP3940541

### **Sony Corporation / Toshiba Corporation / Nippon Hoso Kyokai**

JP2975932

### **Thomson Licensing**

JP2806587

\* Expired on 2009/10/20

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## Toshiba Corporation

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