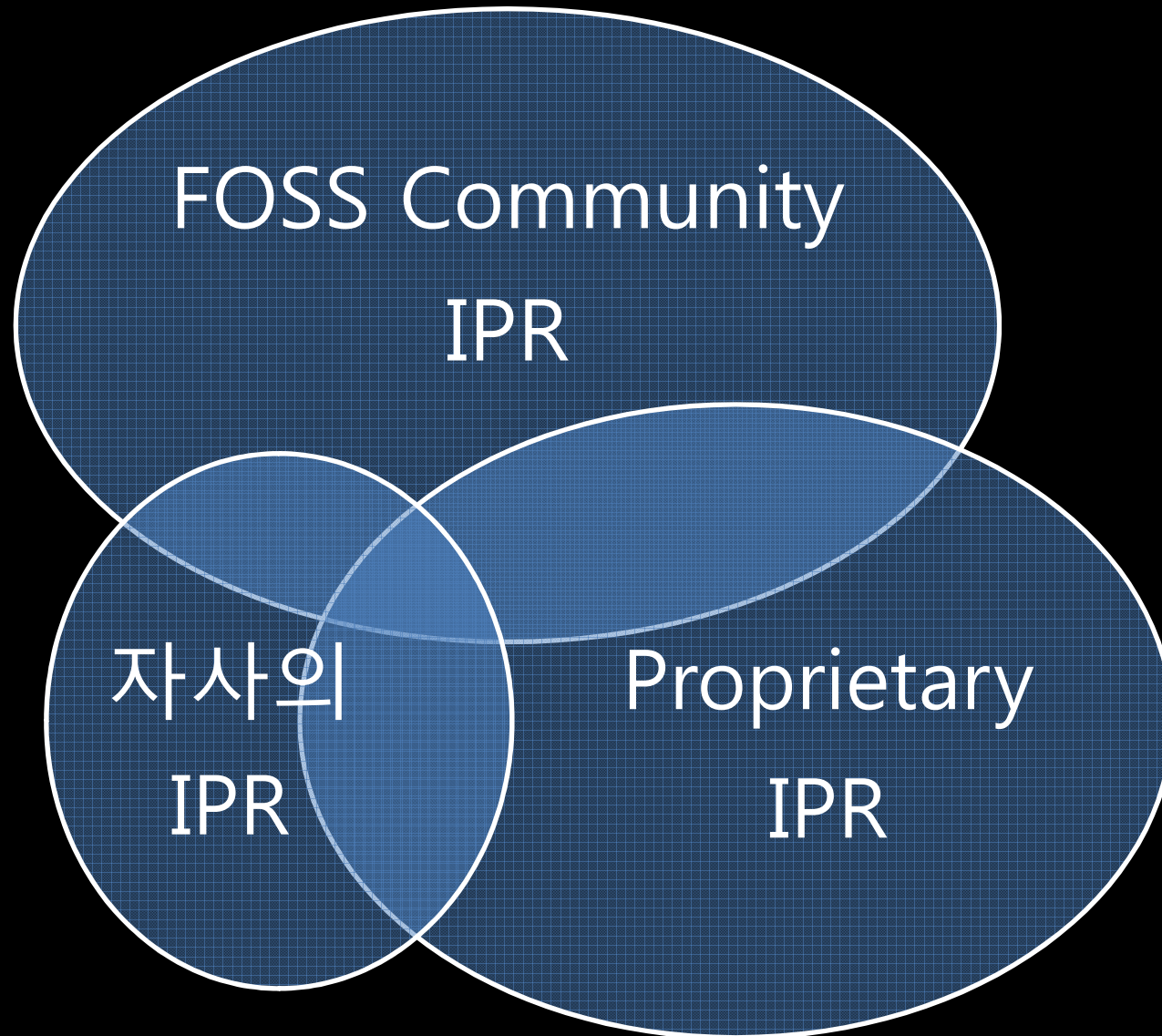


# FOSS 라이선스 분쟁과 특허이슈

2012. 06. 21.  
Lee Chul Nam

# SW분야의 지적재산권 분쟁



# AGENDA

- FOSS License의 의미
  - FOSS 라이선스의 기본원리
  - FOSS 라이선스의 주요 내용
- 저작권 관련 분쟁
  - Oracle v. Google
- 특허권 관련 분쟁
- 자사의 지재권 관리

# FOSS License

- FOSS 라이선스의 의미와 특징
  - FOSS 커뮤니티의 헌법
  - 저작권 등 지적재산권에 기반
  - 자유로운 사용, 복제, 배포, 수정을 허용
  - 소스코드의 공개
  - (Copyleft)

:저작권 제도에 기반하면서도, 전형적인 저작권 시스템에 저항

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# 소스코드의 제공

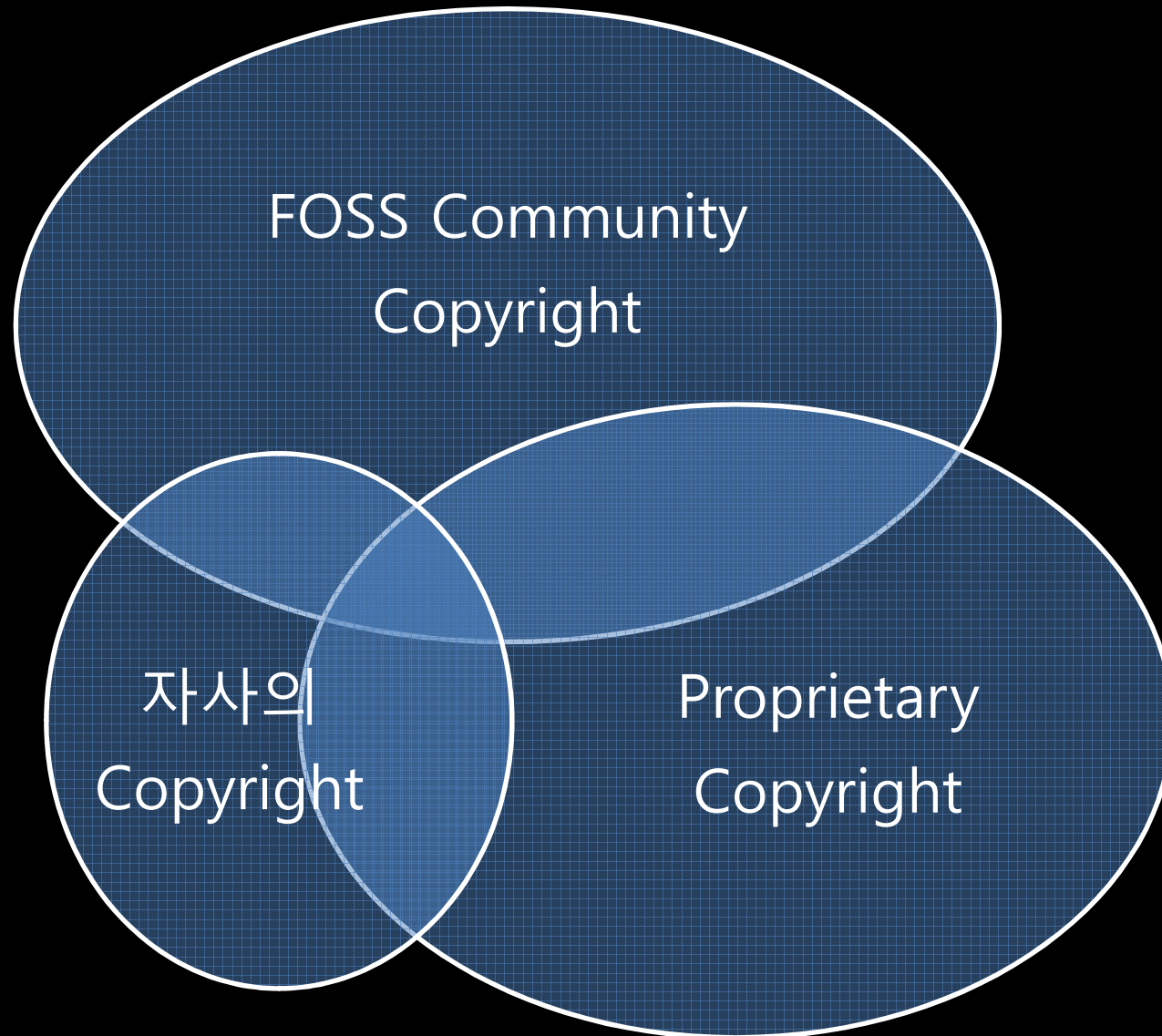
You may copy and distribute the Program (or a work based on it, under Section 2) in object code ... provided that you also do one of the following:

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# SW분야의 저작권 분쟁



# Oracle v. Google

- 소송경과 및 주요 쟁점
  - 2007년 구글은 모바일 디바이스를 위한 안드로이드 소프트웨어 플랫폼을 발표
  - 2010년 오라클은 썬 마이크로시스템즈를 인수하였고, Java에 대한 썬의 권리까지 인수
  - 오라클은 안드로이드 플랫폼이 오라클의 자바 관련 저작권 및 특허권을 침해한다는 이유로 구글에 대해 소송을 제기
  - 오라클이 주장하는 저작권에는 자바 API에 있는 37개의 패키지가 포함되었는데, 구글이 해당 소프트웨어를 문자 그대로 복제한 것은 아니며, 37개 API 패키지에 대해 나름대로 구현하였다는 점에는 이론이 없음
  - 오라클의 주장의 핵심은 구글이 37개 API 패키지 전체 코드에 대한 structure, sequence 및 organization을 복제했다는 것임

# Oracle v. Google

- 배심원의 평결
  - 37개 API 패키지의 구조 등이 저작권 보호를 받을 경우 (받는다는 가정하에) 배심원들은 구글이 해당 저작권을 침해했다는 평결을 내렸지만, 공정사용에 해당 하는지 여부에 대해서는 결론을 내리지 못함
  - 37개 자바 API 패키지들의 문서(documentation)에 대해서는 침해가 없었다고 평결
  - 특정한 코드 일부에 대해서는 "rangeCheck"이라는 코드의 9개 라인에 대해서만 침해평결

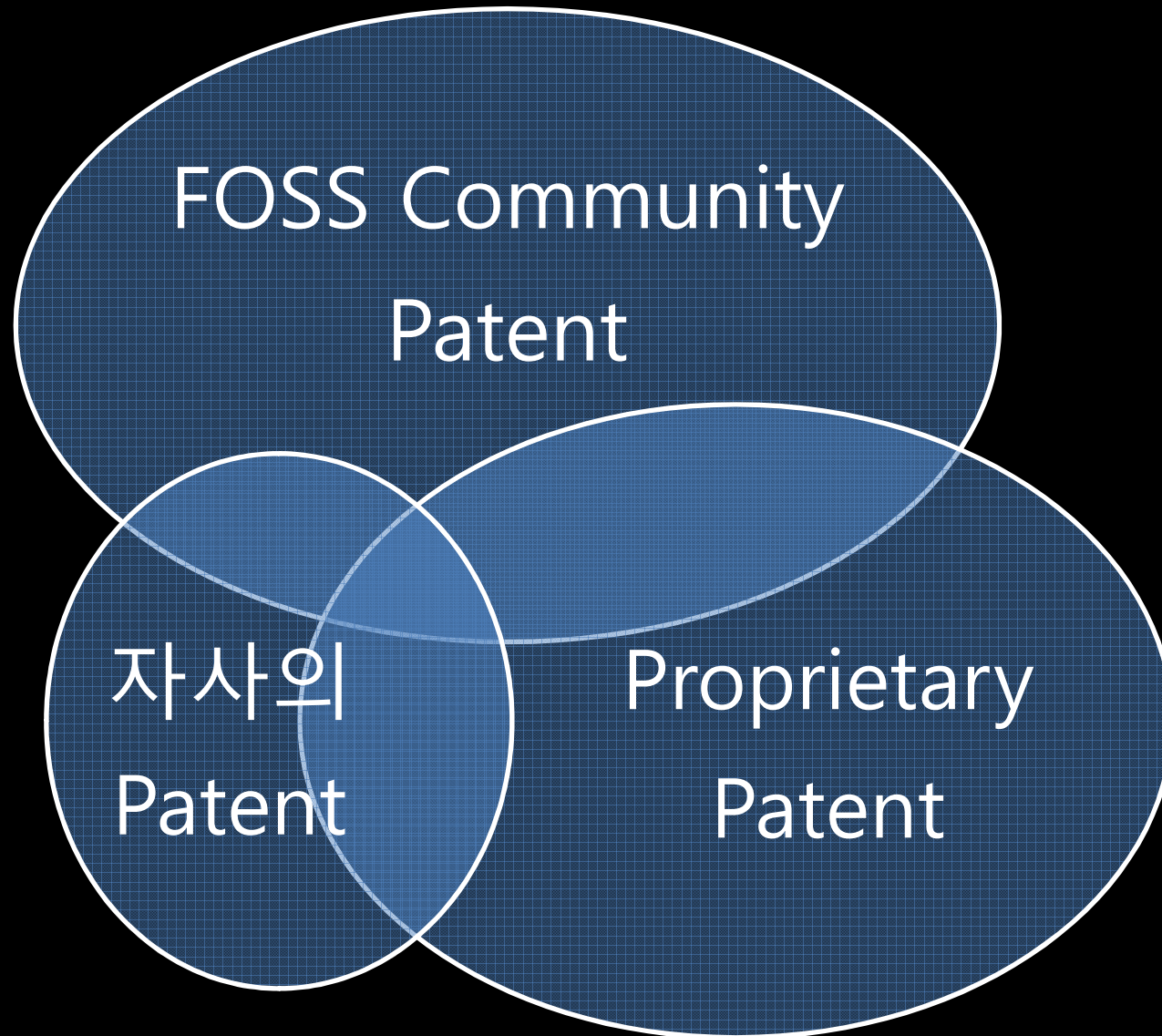


# Oracle v. Google

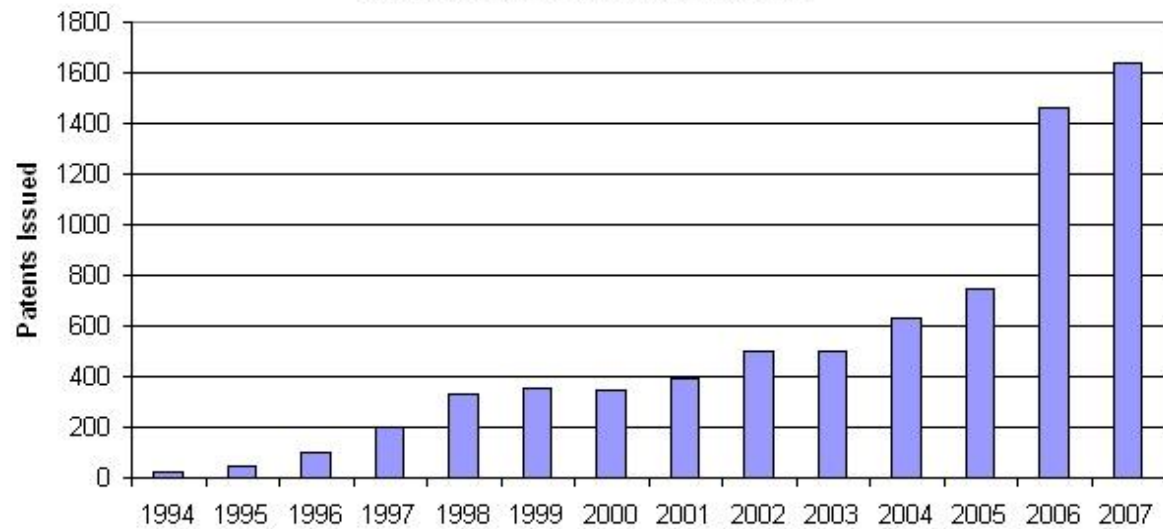
- 법원의 판단
  - 자바에서 사용된 동일한 command structure를 복제하지 않고도 동일한 functionality가 안드로이드에서 제공될 수 있었다는 점은 사실이나,
  - `java.package.Class.method()` 형태를 채택하는 명령구조에서, 각 명령은 미리 할당된 function을 호출
  - 전체적인 네임 트리는 창조적인 요소들을 갖긴 하지만, 그것은 또한 미리 할당된 function을 수행하는 실용적이고 기능적인 set of symbols에 해당하는 command structure이기도 함
  - 이러한 명령 구조는 저작권법 제102(b)에 규정된 시스템 또는 method of operation에 해당하기 때문에 저작권 보호를 받을 수 없음



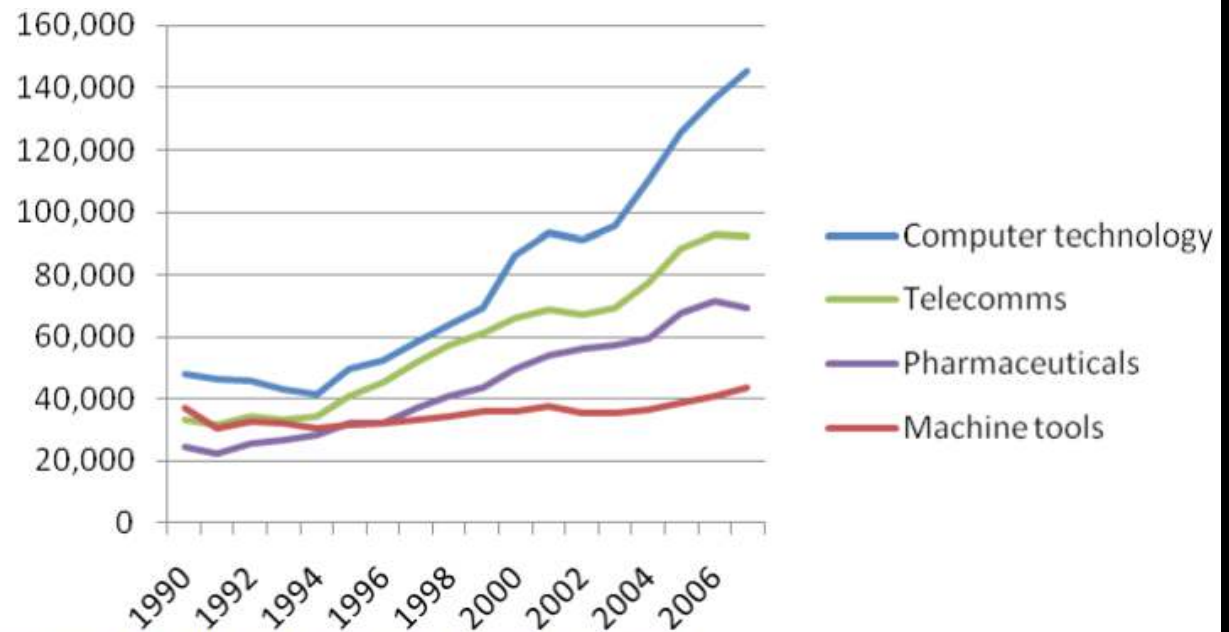
# SW분야의 특허권 분쟁



### Microsoft's Patent Count



### Patent applications by field of technology



Source: WIPO Statistics Database, September 2010

# Oracle v. Google

- [#6,125,447](#): Protection domains to provide security in a computer system; Li Gong
- [#6,192,476](#): Controlling access to a resource; Li Gong
- [#5,966,702](#): Method and apparatus for pre-processing and packaging class files; Nedim Fresko, Richard Tuck
- [#7,426,720](#): System and method for dynamic preloading of classes through memory space cloning of a master runtime system process; Nedim Fresko
- [#RE38,104](#): Method and apparatus for resolving data references in generated code; James Gosling
- [#6,910,205](#): Interpreting functions utilizing a hybrid of virtual and native machine instructions; Lars Bak, Robert Griesemer
- [#6,061,520](#): Method and system for performing static initialization; Frank Yellin, Richard Tuck

# MS v. Motorola

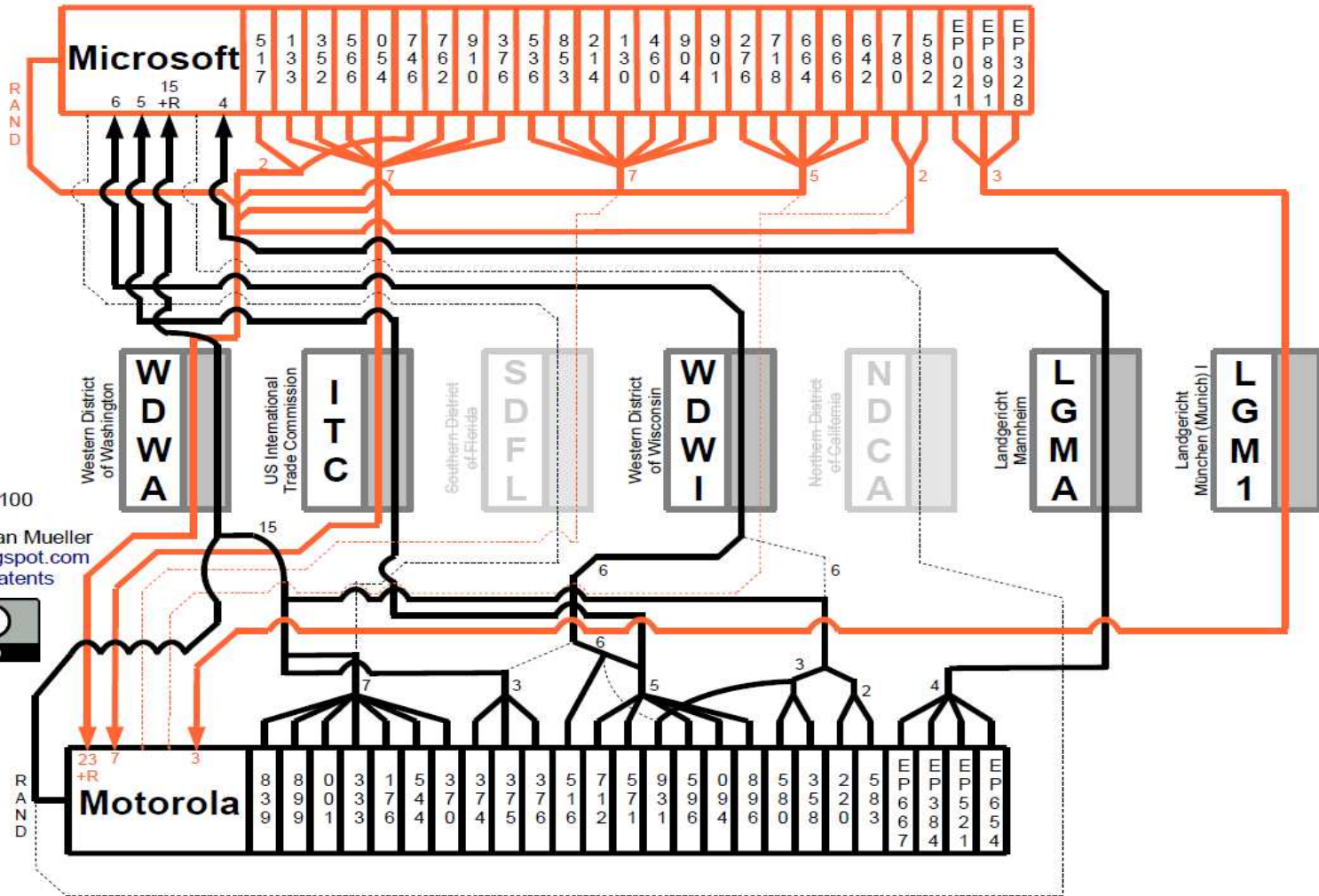
Microsoft  
versus  
Motorola

The patent  
battlefield  
as of  
11 Dec 11

The next 17  
pages show  
how this  
conflict has  
escalated.  
Move by  
move.

version 11.12.11.100

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# Apple v. HTC

- [Patent #7,362,331](#): Time-Based, Non-Constant Translation Of User Interface Objects Between States
- [Patent #7,479,949](#): Touch Screen Device, Method, And Graphical User Interface For Determining Commands By Applying Heuristics
- [Patent #7,657,849](#): Unlocking A Device By Performing Gestures On An Unlock Image
- [Patent #7,469,381](#): List Scrolling And Document Translation, Scaling, And Rotation On A Touch-Screen Display
- [Patent #5,920,726](#): System And Method For Managing Power Conditions Within A Digital Camera Device
- [Patent #7,633,076](#): Automated Response To And Sensing Of User Activity In Portable Devices
- [Patent #5,848,105](#): GMSK Signal Processors For Improved Communications Capacity And Quality
- [Patent #7,383,453](#): Conserving Power By Reducing Voltage Supplied To An Instruction-Processing Portion Of A Processor
- [Patent #5,455,599](#): Object-Oriented Graphic System
- [Patent #6,424,354](#): Object-Oriented Event Notification System With Listener Registration Of Both Interests And Methods

# Patent and OSS License

- OSS 라이선스에서의 특허조항
  - OSI의 74개 라이선스들 중 특허 라이선스를 포함하고 있는 것은 34개로 50%에 미치지 못함
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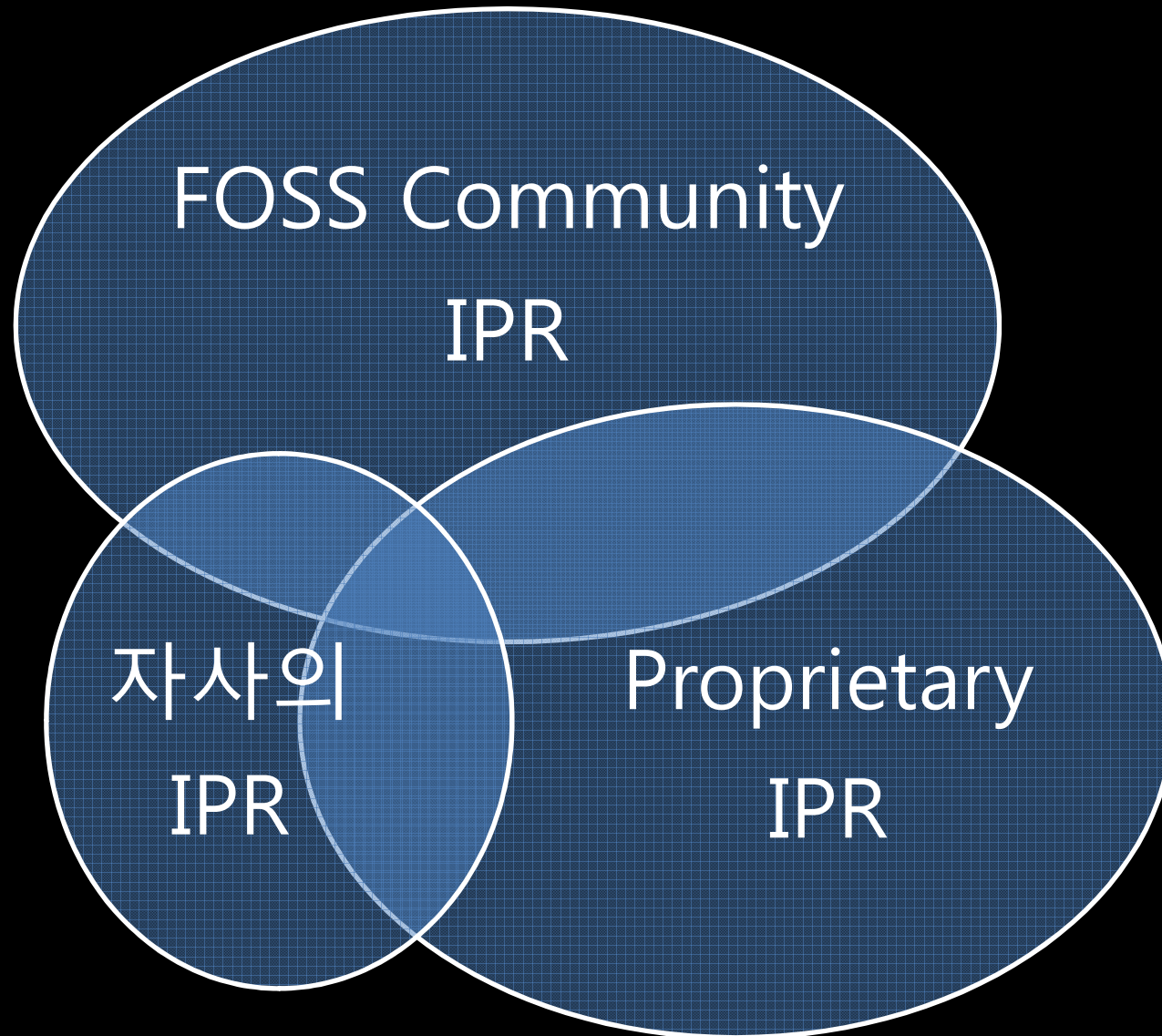
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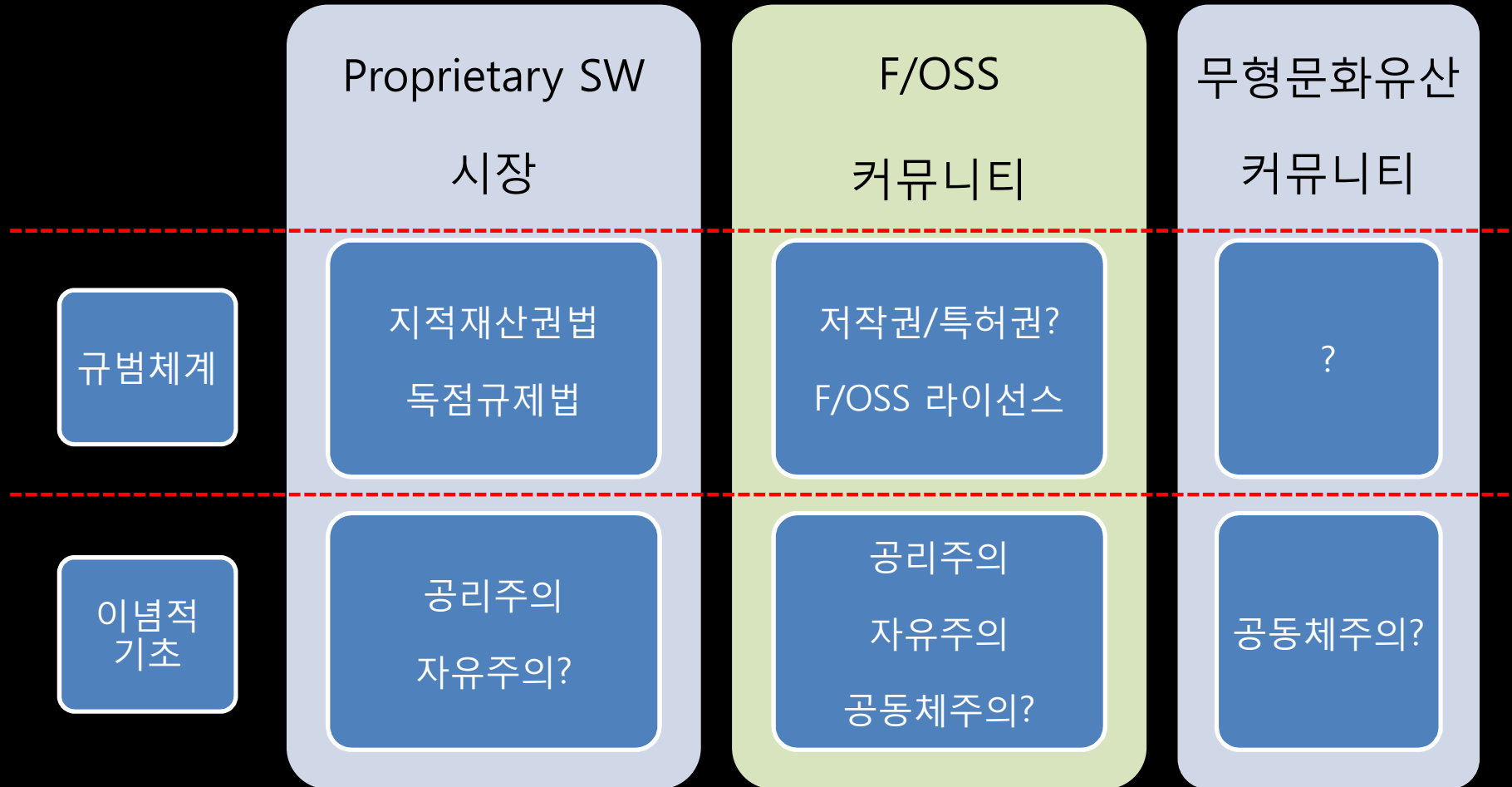
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# 자사의 지재권 관리



# FOSS의 규범체계와 이념적 기초





# Q & A

