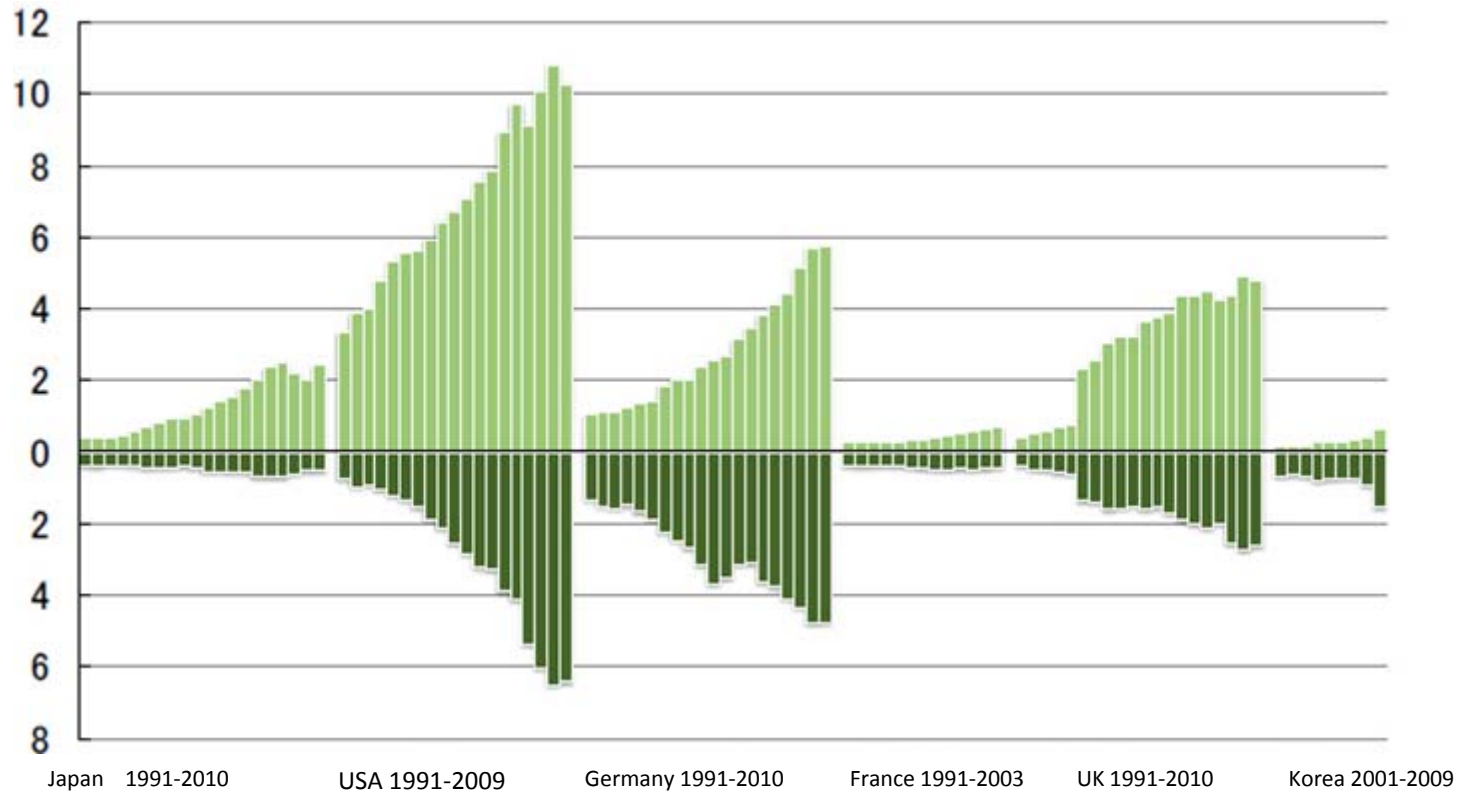


# Slide 1: Technology Trade (royalty payments from patent, utility model, copyright and know-how licensing)

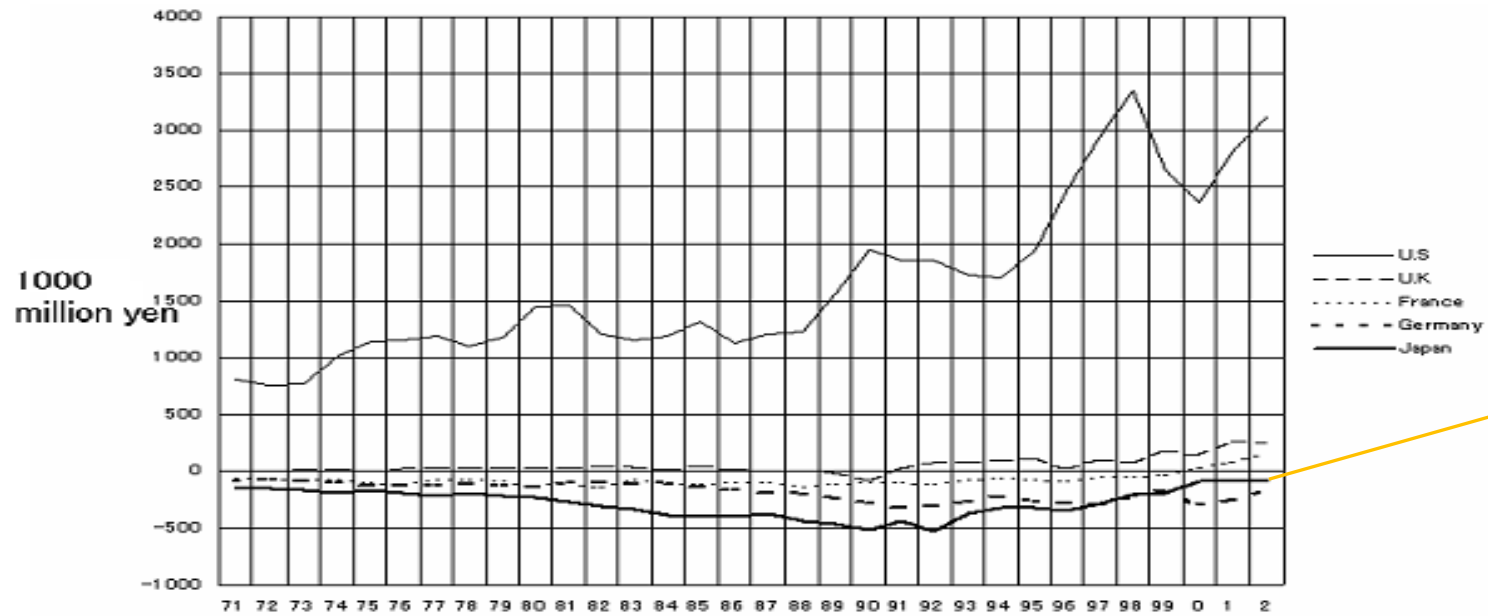
Ms. Hiroko Yamane  
Professor Emeritus  
National Graduate  
Institute for Policy Studies,  
Japan

A hundred  
billion yen



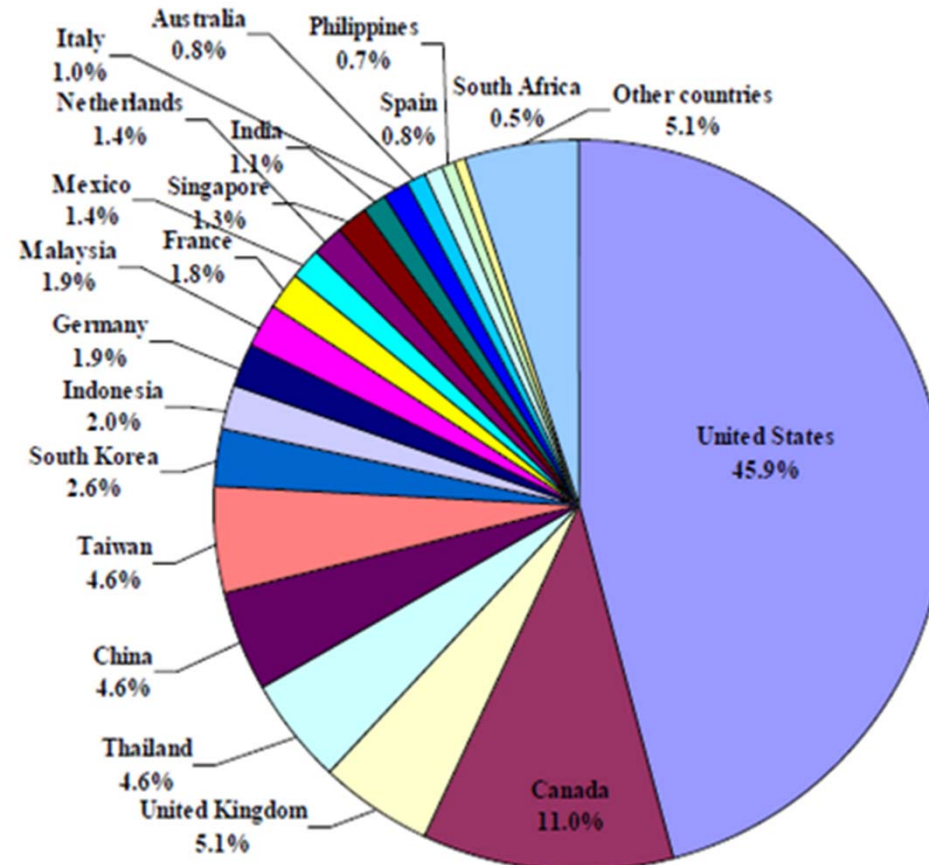
Source: Ministry of Science and Education, Science and  
Technology Indicators 2012,  
[http://data.nistep.go.jp/sti\\_indicator/2013/RM225\\_51.html](http://data.nistep.go.jp/sti_indicator/2013/RM225_51.html).

## Slide 2: Patent Licensing



Source: T. Homma, Peculiarities of TRIPS: Rents and Their Distribution  
<http://tadhomma.ld.infoseek.co.jp/TRIPSUni.htm>

## Slide 3: Japan's Technology Export (2005)



Source: B Ito, Science and Technology Application Study, Annual Report 2007, p.98  
[www.jpo.go.jp/shiryuu/toushin/.../h20\\_4\\_1\\_tojoukoku\\_gijutuiten.pdf](http://www.jpo.go.jp/shiryuu/toushin/.../h20_4_1_tojoukoku_gijutuiten.pdf)

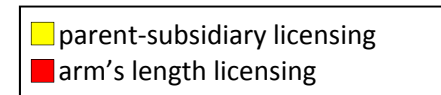
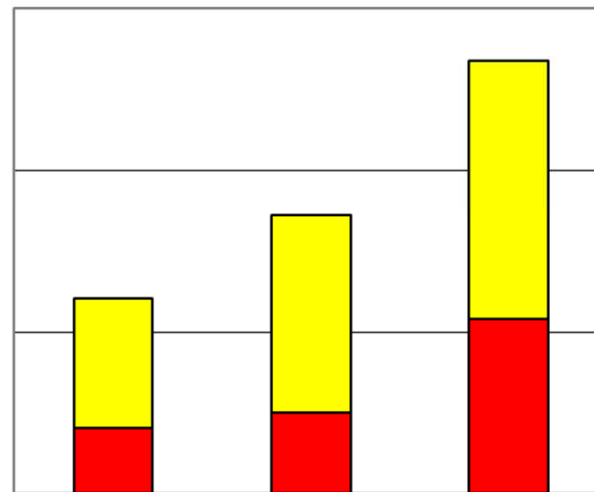
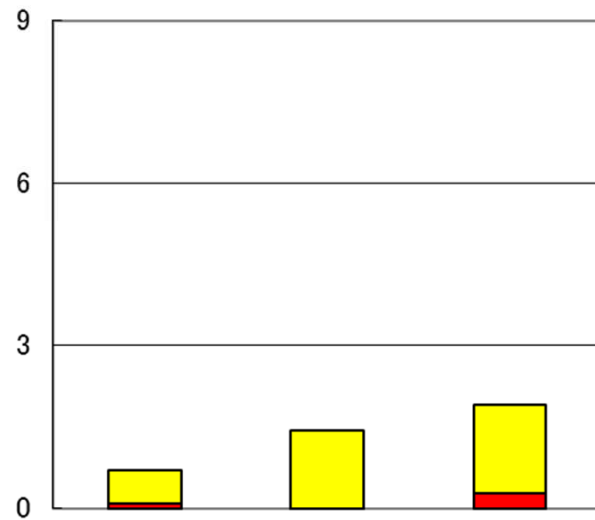
# Slide 4: Arm's Length or Intra-firm Licensing?

## Licensing Patterns

A hundred billion yen

Japan

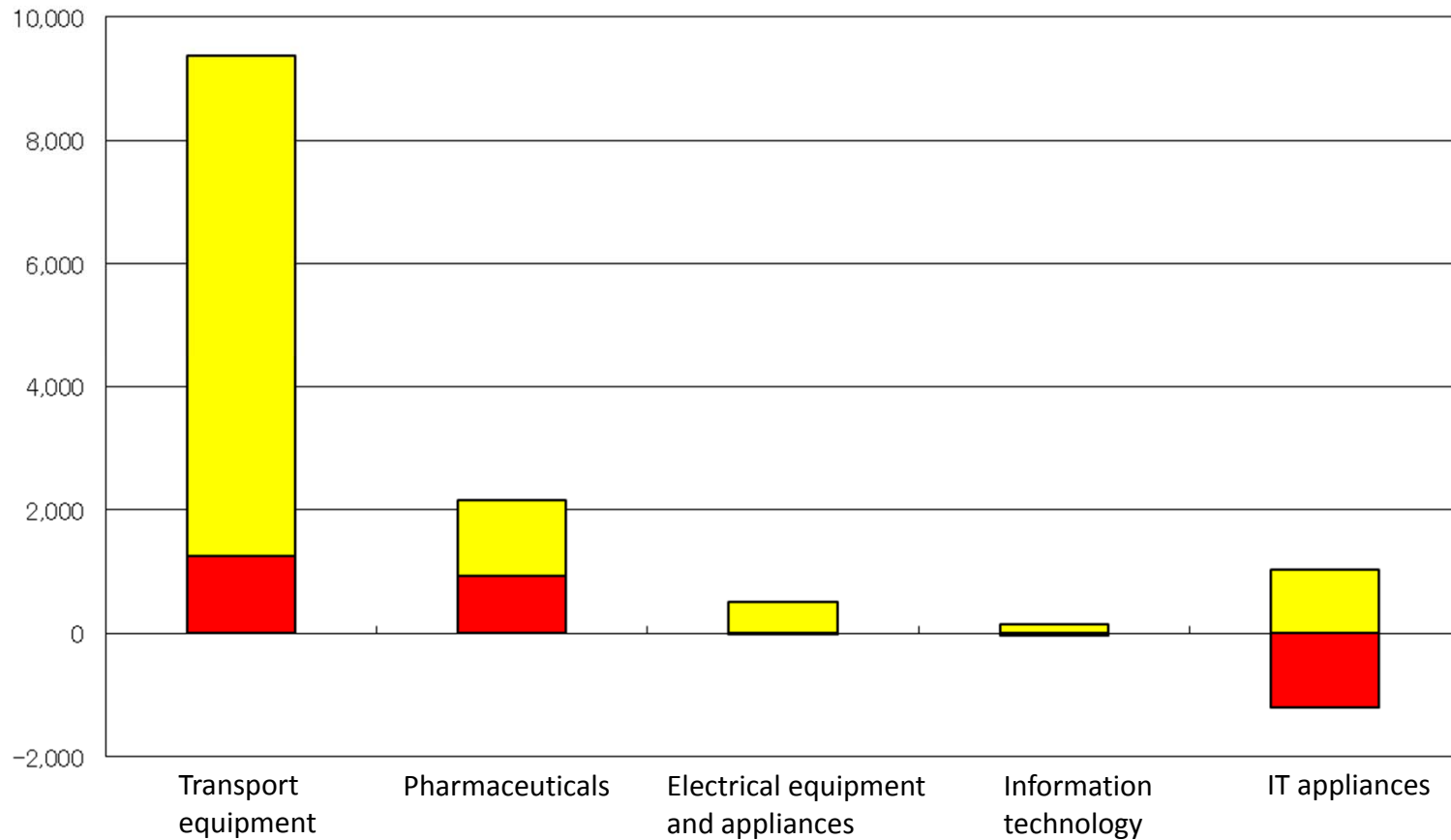
USA



JPO, Current State of Industrial Property 2013, p.5

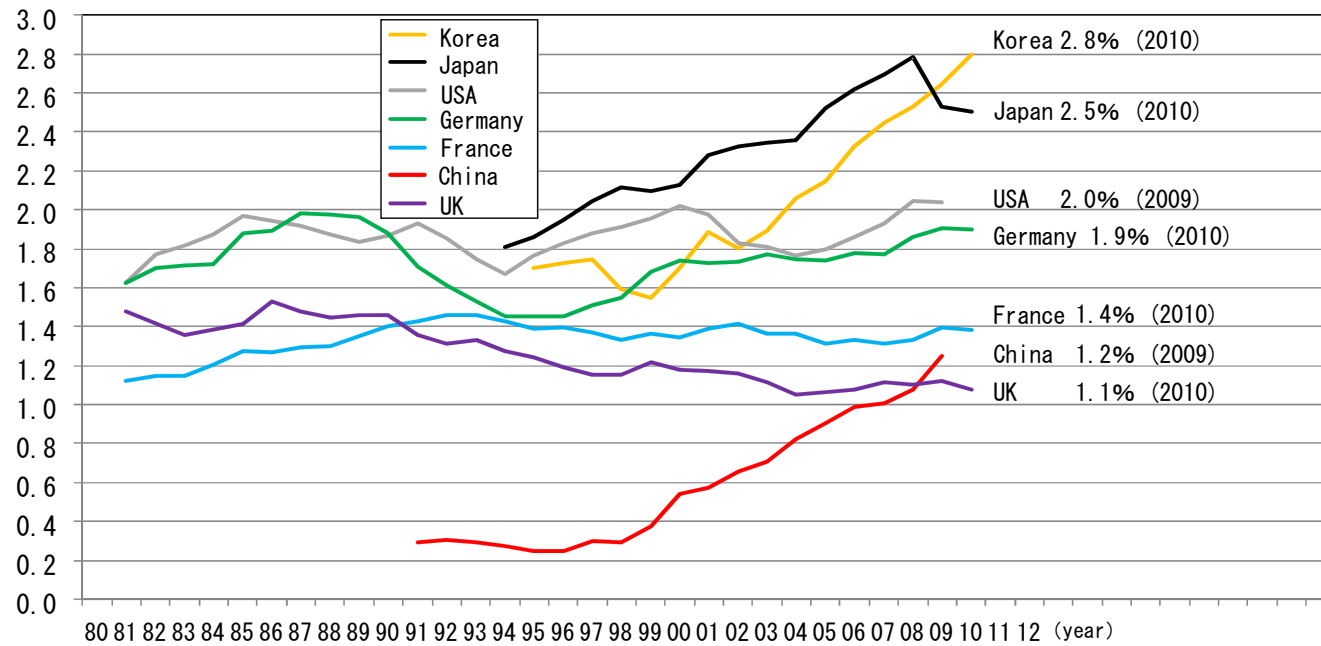
A  
hundred  
billion  
yen

## Slide 5: Industrial Sector Differences: Japan



JPO, Current State of Industrial Property 2013, p.6

## Slide 6: Private Sector R&D/GDP Ratio



JPO, Current State of Industrial Property 2013, p.7