

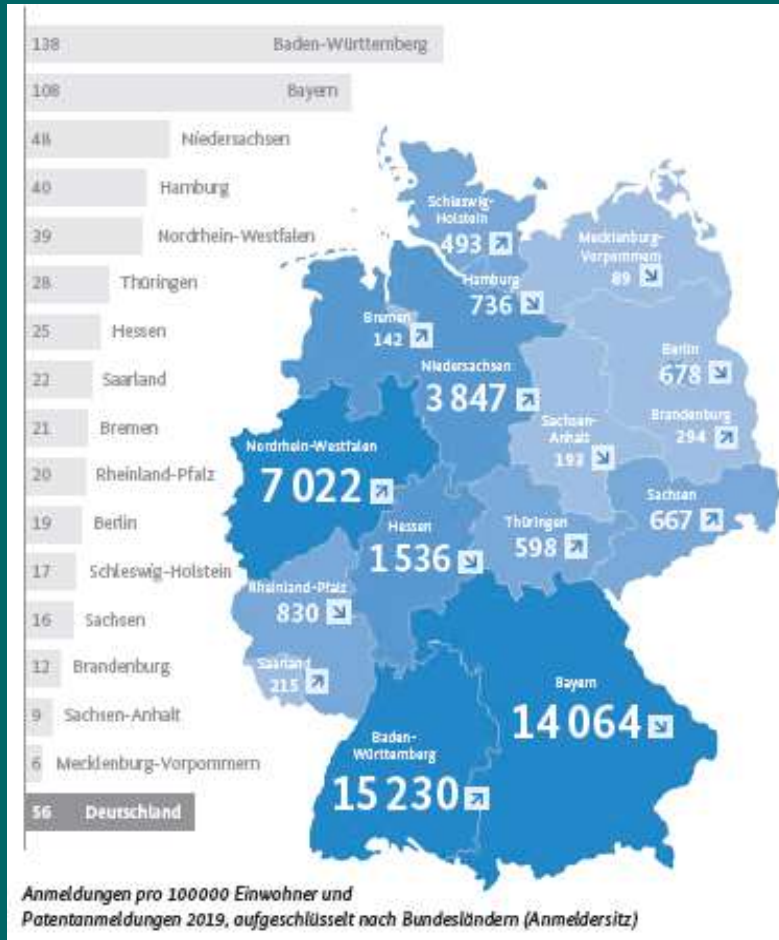
Female Inventors

More female inventors are needed

Online Impulse I, Scientist
18.September 2020

www.weisse-patent.de

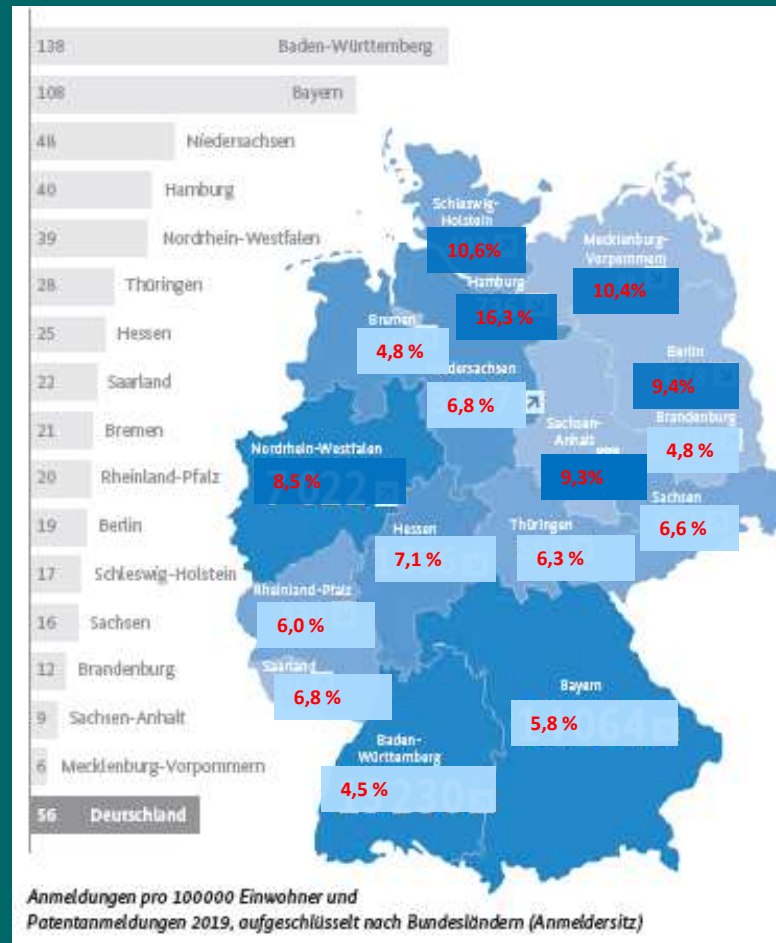
Introduction



67437 Patent applications in 2019 in Germany...

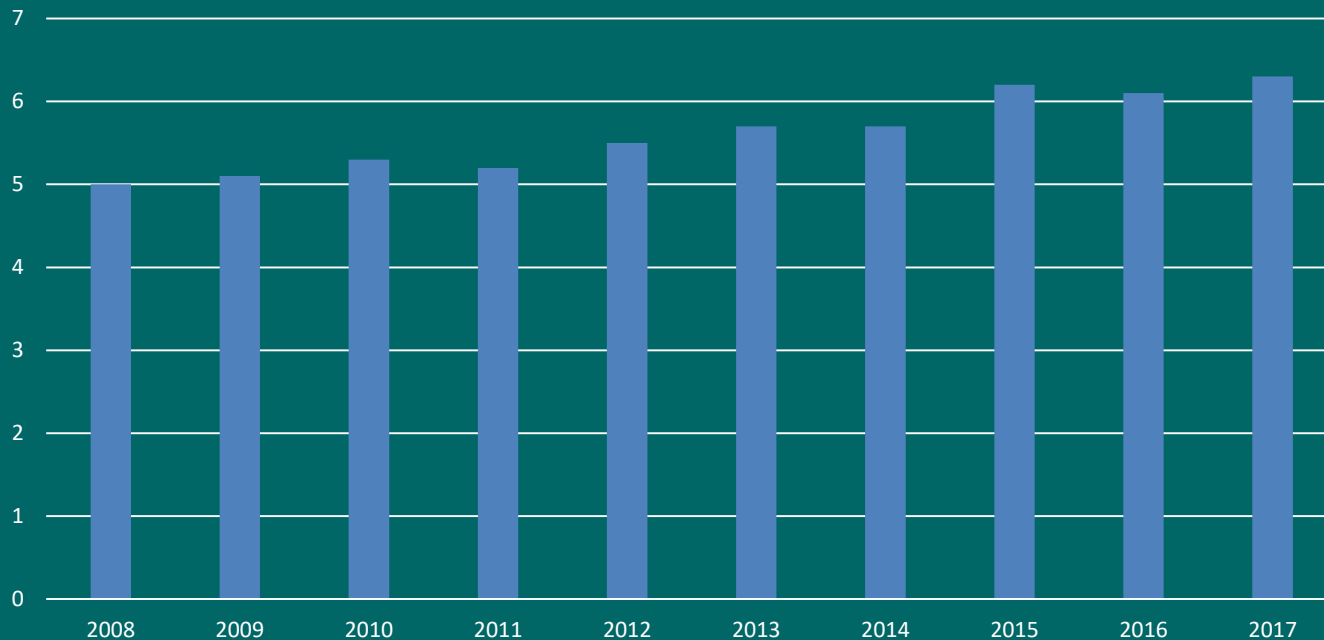
Introduction

...are women

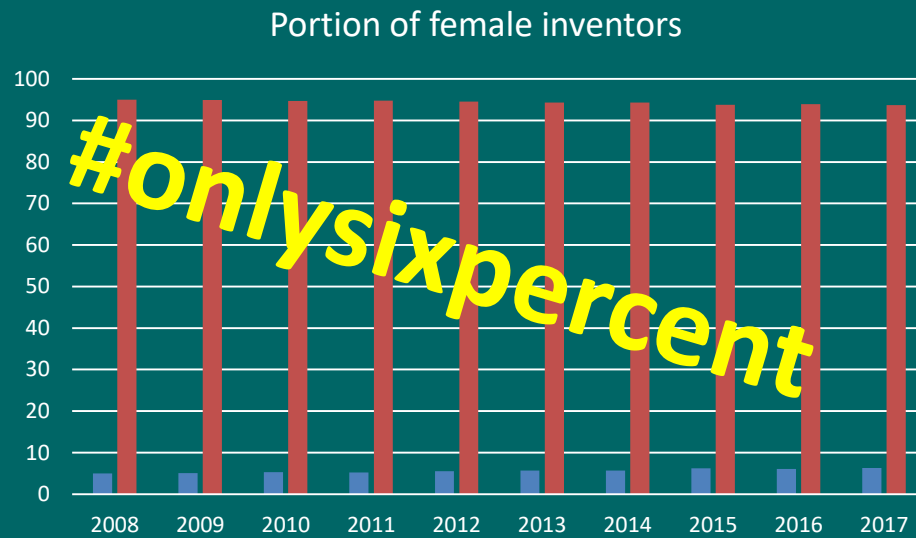


Introduction

portion of female inventors - published first filings 2008 to 2017
portion [%]



Introduction



Introduction

#onlysixpercent

What does this mean?

Introduction

#onlysixpercent

Assuming that...

Women are as creative as men, and the percentage of women in STEM-professions have an average of more than 6%, then the small percentage of female inventors will cause...

Introduction

#onlysixpercent

- Important technological progress is not protected
- No financial benefits (such as from employees inventorship law)
- No honour as inventor
- Less scientific publications (patents count!)
- Less professional promotion prospects
- Smaller visibility
- Less female inventor role models

Example: Siemens

Das Unmögliche möglich machen

Träume

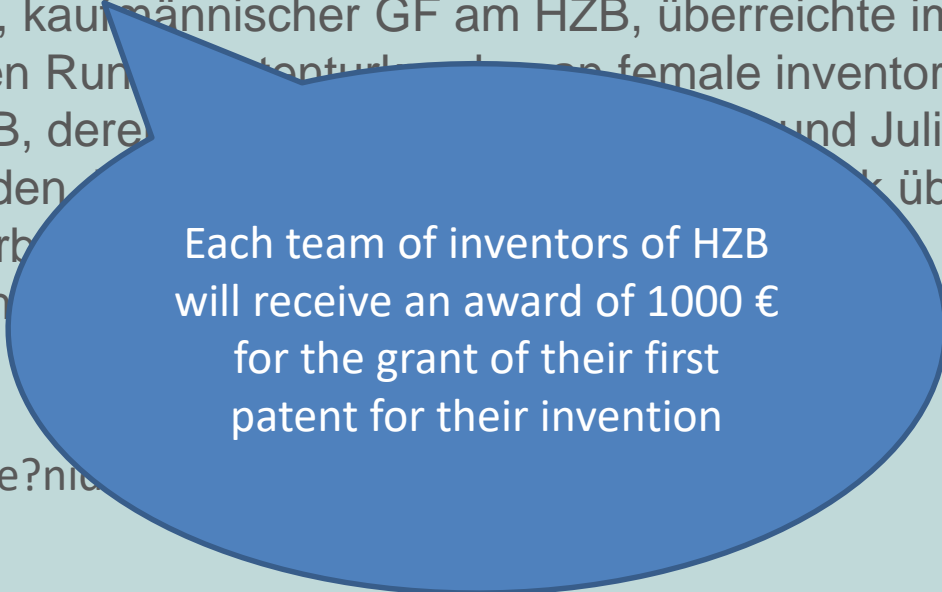
Seit 1995 zeichnet Siemens herausragende Erfindungen in erheblichem Maß an Innovationen und zugleich einen Nutzen für die Gesellschaft. In diesem Jahr steht die Veranstaltung unter dem Motto „Träume: Das Unmögliche möglich machen“. **Siemens hat 23 besonders findige Forscher als Erfinder des Jahres 2019 ausgezeichnet.** Die Wissenschaftler sind insgesamt für rund 1.450 Erfindungen und 1.500 erteilte Einzelpatente verantwortlich. Ein Großteil der Erfinder kommt aus Deutschland, sowie aus den USA, Russland, China, Großbritannien, Spanien, Italien und Rumänien. Seit 2016 können auch Forscher außerhalb des Unternehmens Erfinder des Jahres werden.

Siemens has awarded particularly clever investigators as inventors of the year 2019

<https://new.siemens.com/global/de/unternehmen/innovationen/inventors.html>

Example: Helmholtz

Um ein Problem zu lösen, müssen Menschen in der Forschung oft unbeschrittene Wege gehen. Ist die Lösung dann tatsächlich neu und nicht aus dem vorhandenen Stand der Technik abzuleiten, kann aus der invention noch mehr entstehen: ein Patent. **Jedes Erfinderteam des HZB erhält bei der ersten Erteilung eines Patents for seine invention 1.000 Euro.** Thomas Frederking, kaufmännischer GF am HZB, überreichte im August bei einer feierlichen Rundfahrt an female inventors und Erfinder aus dem HZB, deren Patente im Juni und Juli 2013 erstmalig erteilt wurden. Die Patente über die Patente der HZB-Mitarbeiter sind in der rechts Patentschriften in der rechts



Each team of inventors of HZB will receive an award of 1000 € for the grant of their first patent for their invention

https://www.helmholtz-berlin.de/pubbin/news_seite?nid=1000

Awards



Reasons

#onlysixpercent



Reasons?

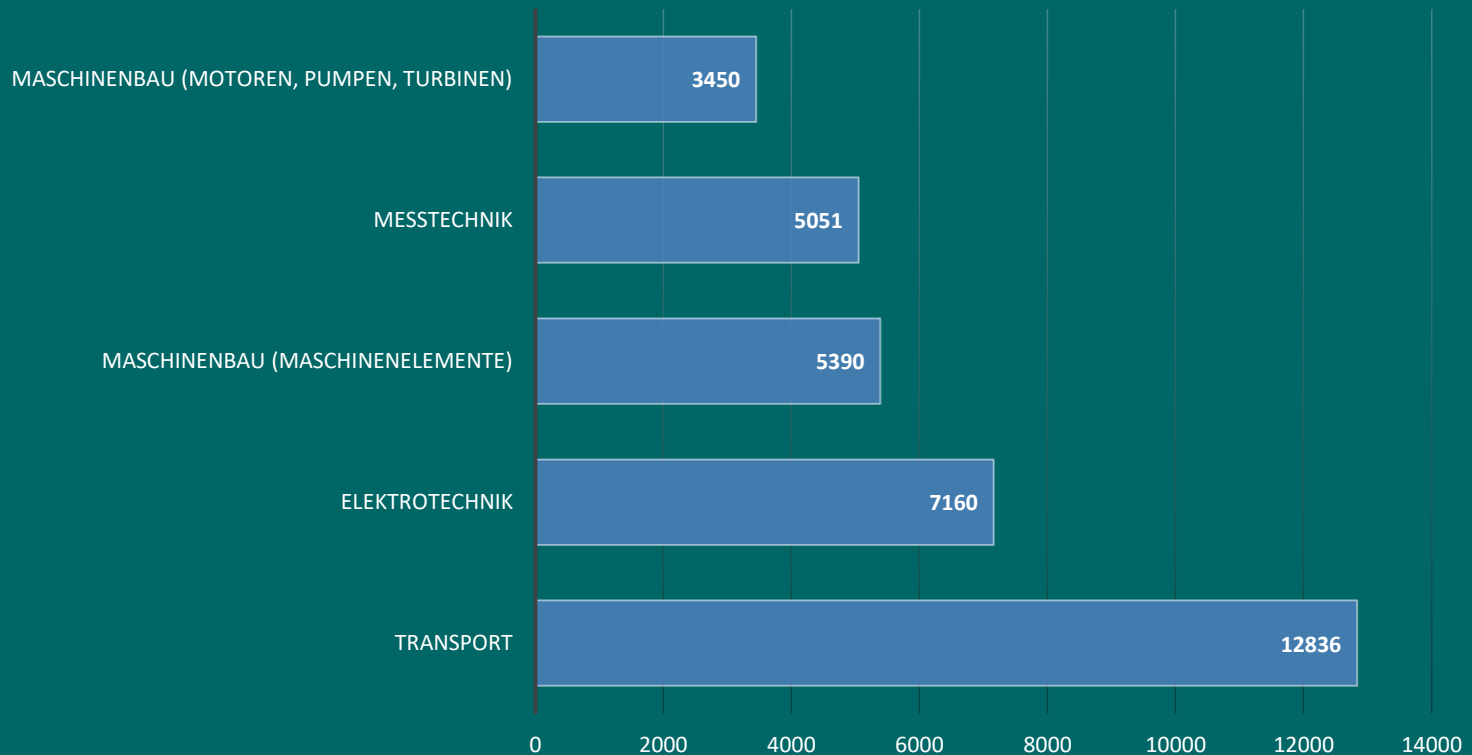
Reasons

#onlysixpercent

- Inventor is omitted on the Declaration of Inventorship
- Structural Reasons
- Individual Reasons

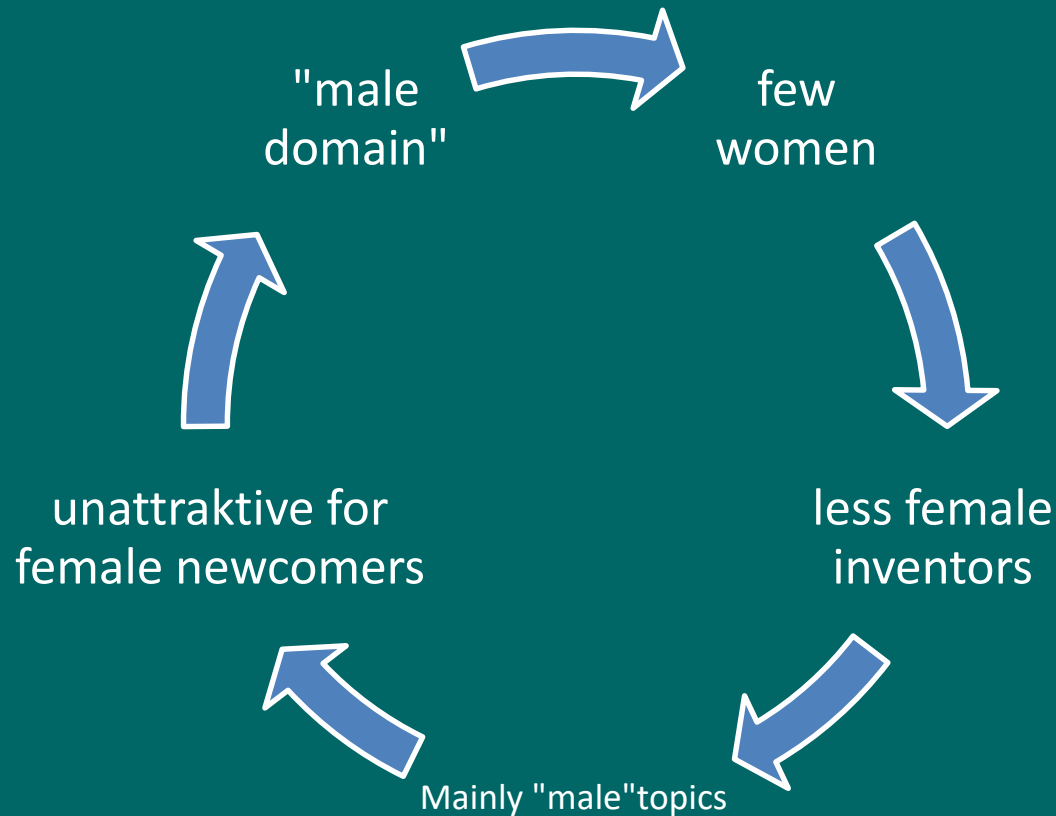
Structural Reasons

patent applications in technological fields with the highest numbers of applications 2019



source: www.dpma.de

Structural Reasons



Structural Reasons

Overall number of patent attorneys in Germany

3500

Structural Reasons

Number of female patent attorneys in Germany

458

Individual Reasons

1. Lack of time
2. Political Reasons
3. Toxic environment for female inventors/avoiding conflicts with coworkers
4. Internal opposition
5. Lack of experience with IP/invention is not recognized
6. Glorifying inventions/lack of selfconfidence

Individual Reasons

2. Political/economic Reasons

Patents are expensive
and have no impact

I prefer Open-Source

I do not want to have
anything to do with
patents or other IP

I do not want to deprive the
society of the technological
progress

Individual Reasons

3. Toxic environment for female inventors/avoiding conflicts with coworkers

The boss must be named also

If we file a patent application we will have a conflict with our cooperation partner

patent applications are expensive

The invention will not work, this is total crap, you are a lunatic

The invention is a competition for our own product

Individual Reasons

4. Internal opposition

We keep thinking about all kinds of obstacles:

Will the invention
be useful for the
institute?

Will it work?

Is this an
invention?

Is it worth while
to file an
application?

Will I annoy anybody by
reporting an invention?

Individual Reasons

5. Lack of experience with IP invention is not recognized

How will I recognize an invention?

What will I do, when I have invented something?

Do I have to pay something?

Will I need a permission?

More



The End

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