



The Future of Micro Electronic Mechanical Systems



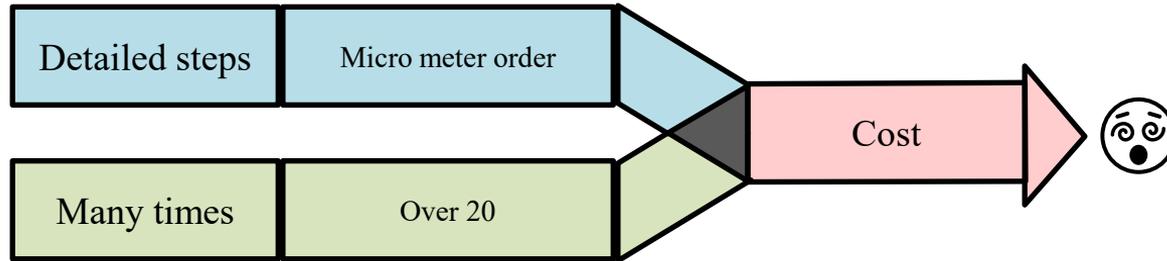
Issue

Micro-inductor

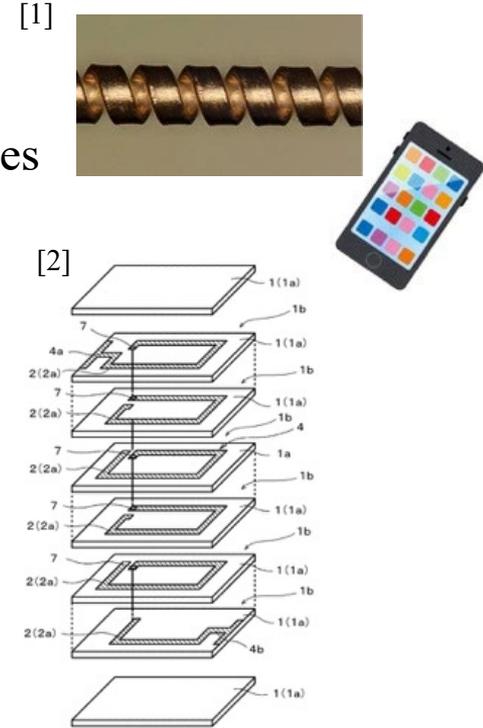
Microelectromechanical components operating within smartphones

Conventional(Thin-film laminated inductor)

Create a three-dimensional coil by layering many thin films



⇒If fewer layers are required, the time and cost can be reduced.



1. <https://www.koaglobal.com/product/library/inductor/category>

2. <https://mitsuwa-elec.co.jp/products/marker-coil/>

Problem

Conventional

*Per unit

1hrs

Production
time

\$4

Production
cost

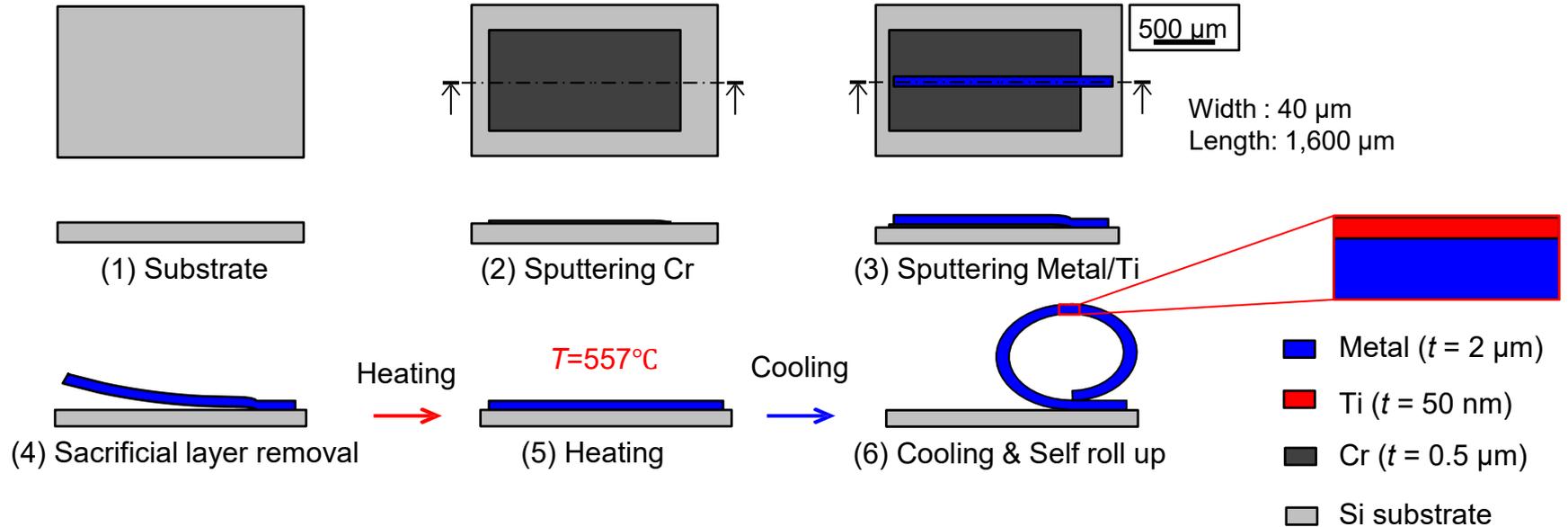
5%

Product
defects

Solution



New Process



Two metals with different thermal expansion properties
⇒ Deform through heating and cooling

Solution

Proposed Method

*Per unit

20min

Production
time

\$1

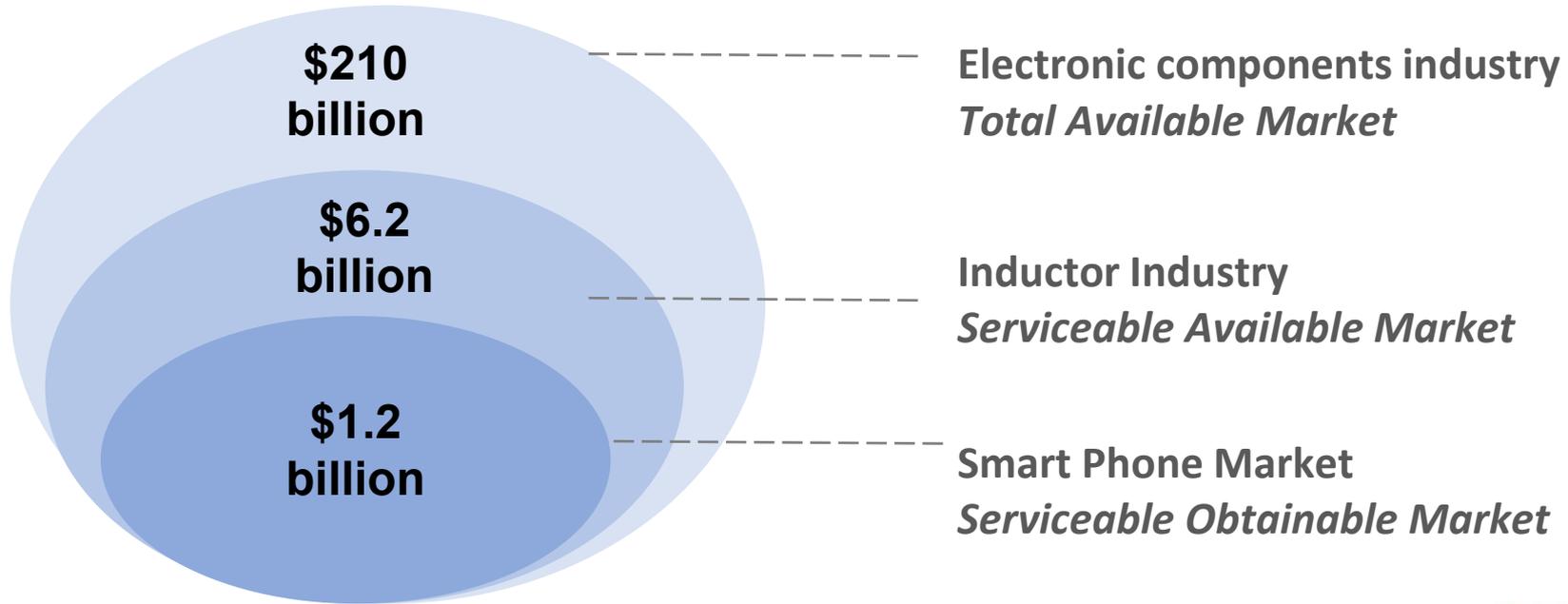
Production
cost

<1%

Product
defects

Market Size

There is a huge market that struggles with this pain and wants our solution



Business Model



Licensing Provide
the new process

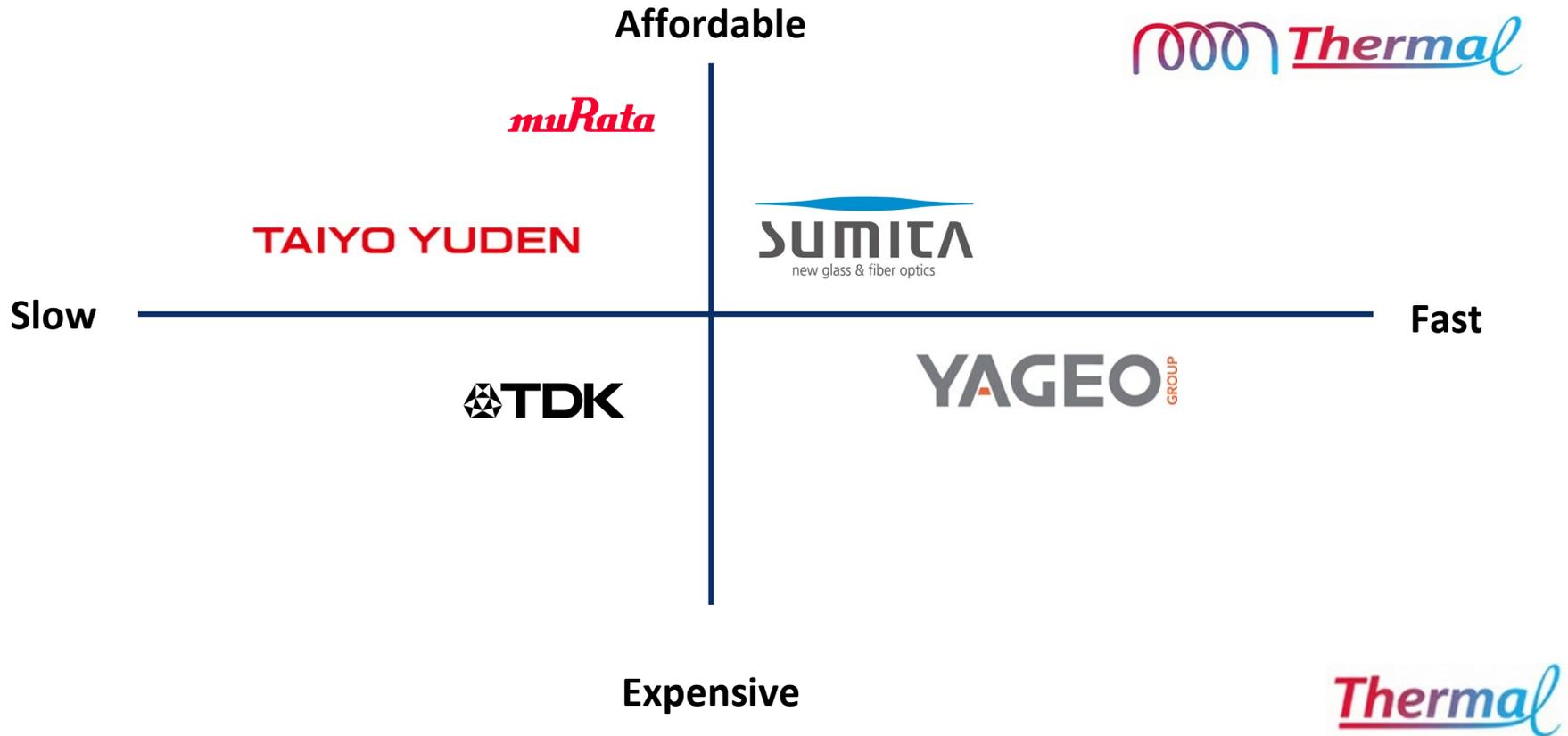


Licensing Fee

200 OEMs



Competition



Team



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CEO

***Masater 1st student of
Micro Bano Engineering***

Nagoya univ.



SeiiChi Hata

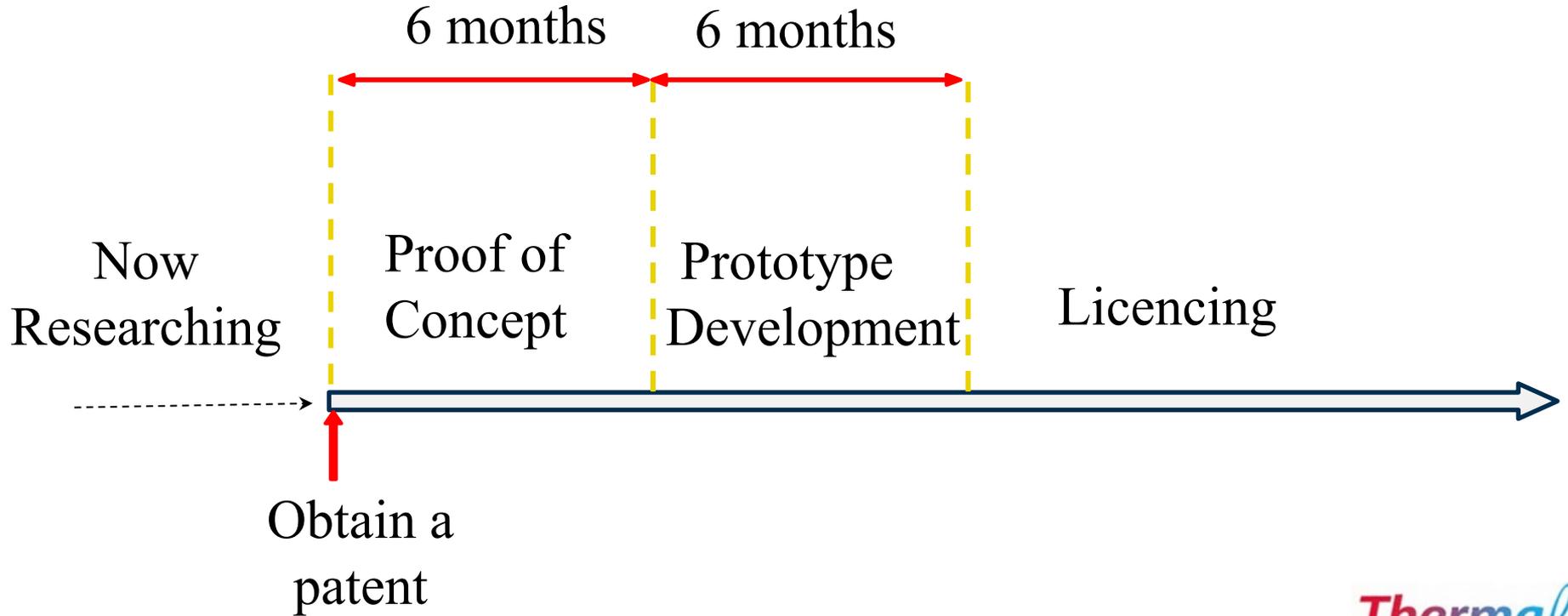
CTO

***Professor of Micro Nano
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Nagoya univ.

Thermal

Roadmap



Raising

\$1 million

Develop MVP

Run 3 pilots

Achieve \$10,000 MRR

LinkedIn

