

Remote Control Design for elderlies

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Design Studio- Project 1

Problem Statement

Literature Review

Market Review

Patent Research

Observation

Ideation

Final Solution

Problem Statement

Too many remote People have to carry

Increasing population of seniors

Watching TV

Learning new information

Literature Review

Recommendation 1

Vision

- * Strong Value of Contrast between the Labels and Background
- * Graphical Cues
- * Understandable Icons
- * Proper Size of Key and the Distance between them



Literature Review

Recommendation 2

Hearing

* The hearing aid or Earphone



Literature Review

Recommendation 3

Learning Aid

- * Avoiding rote learning
- * Avoiding Digital/ touch screen



Market Review

Benchmark



Logitech 700

84.99 USD

54Keys and Screen

Rechargable Battery

No Cradle



URC-WR7

20.00USD

51Keys

2 AA Battery



RCU404

7.34 USD

32 Keys

2AA Battery

Regular Remote



BW0561

24.50USD

30 Keys

2AA Battery

Big keys



Tek Pal

15.99 USD

6 Keys

2AA Battery

Background light and 6 keys

Market Review

Early Observations:

- * Performance is the largest segment
- * In Comfortable and Performance categories, Logitech shows its strong point.

Immediate Opportunities:

- * design for users who are pursuing Comfortable Performance experience.
- * Explore trendy color, materials and finishes to improve the comfort and expression



Market Review

Research Findings and Recommendations

Observation-

Comfortable and **Performance** are important considerations

Less technology Tends to Dictate Category Design Aesthetic

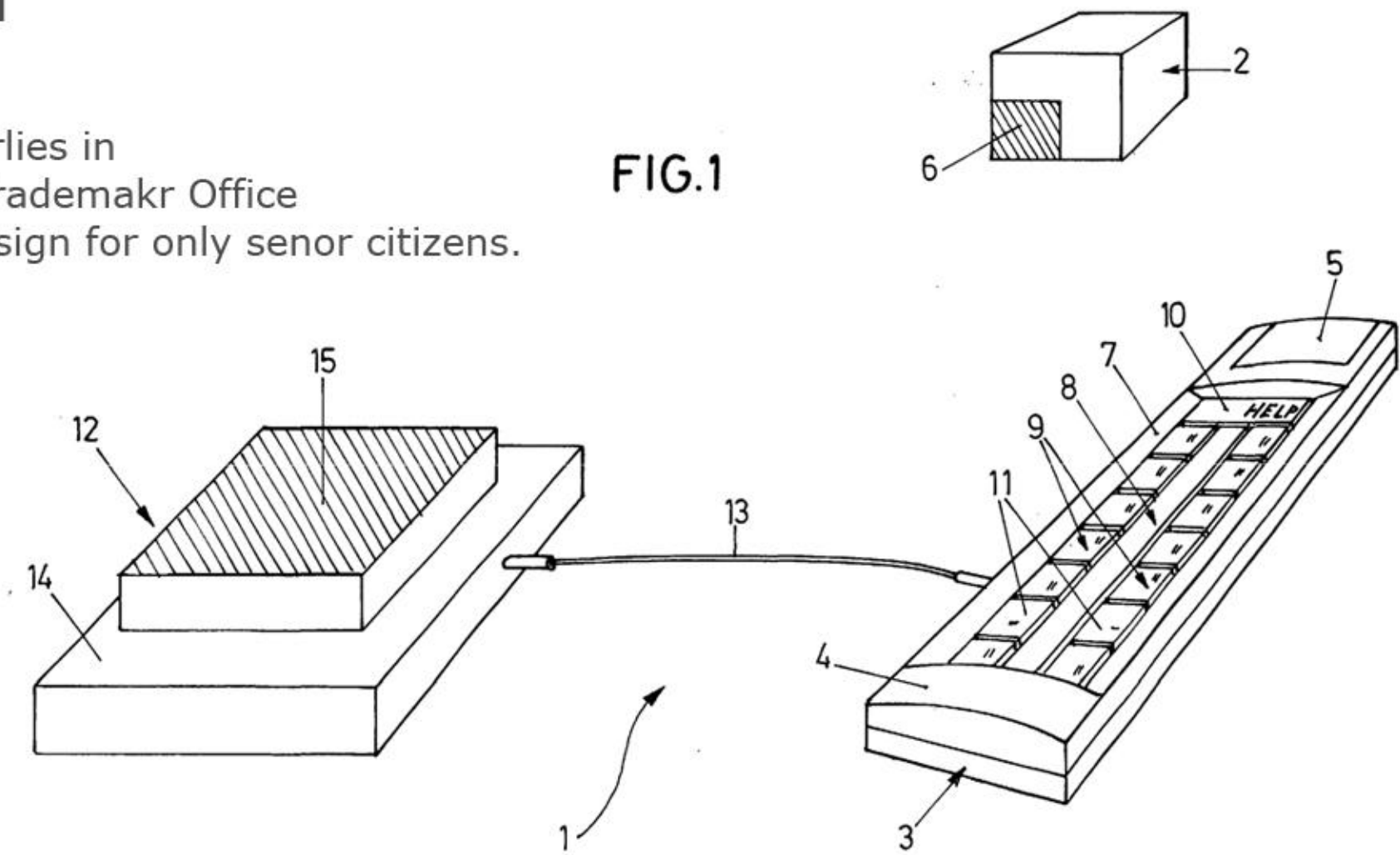
Recommendations-

Apply rudimental level of new technology on low end products

Add some simple kits or configurations to improve the users interactive experience

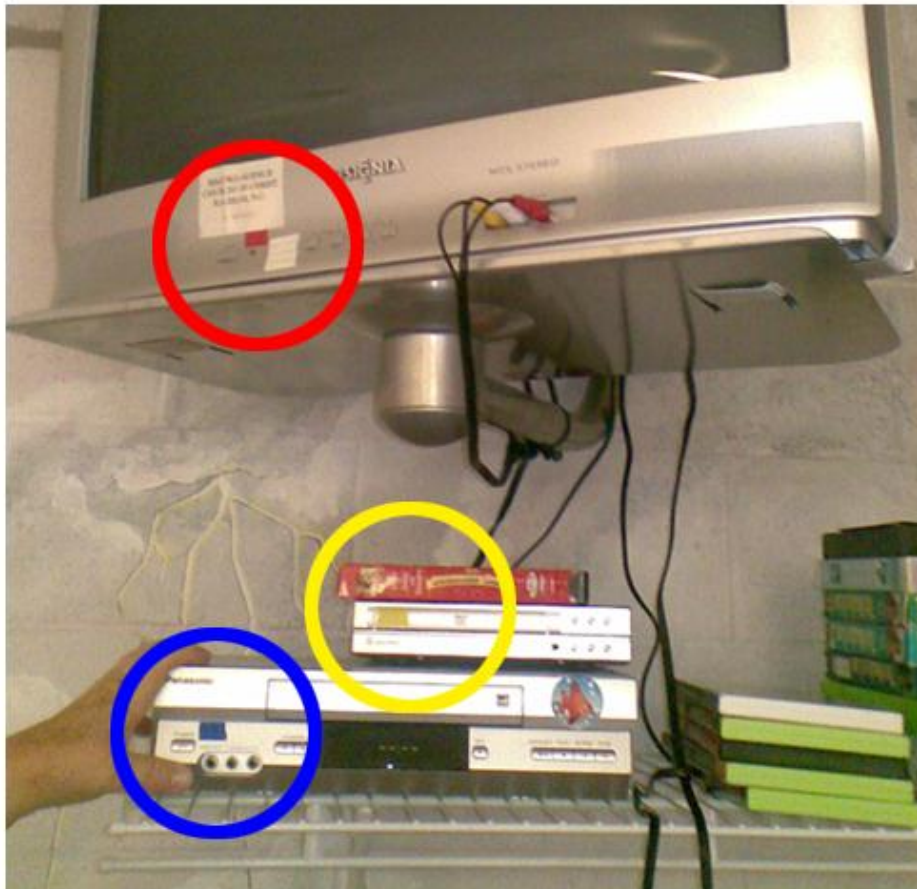
Patent Research

Current Remot Control for elderlies in
the United Stated Patent and Trademakr Office
There are limited number of design for only senor citizens.



Observation

Seniors tend to use diferent color of taps to categorize their remote by refering to each other.



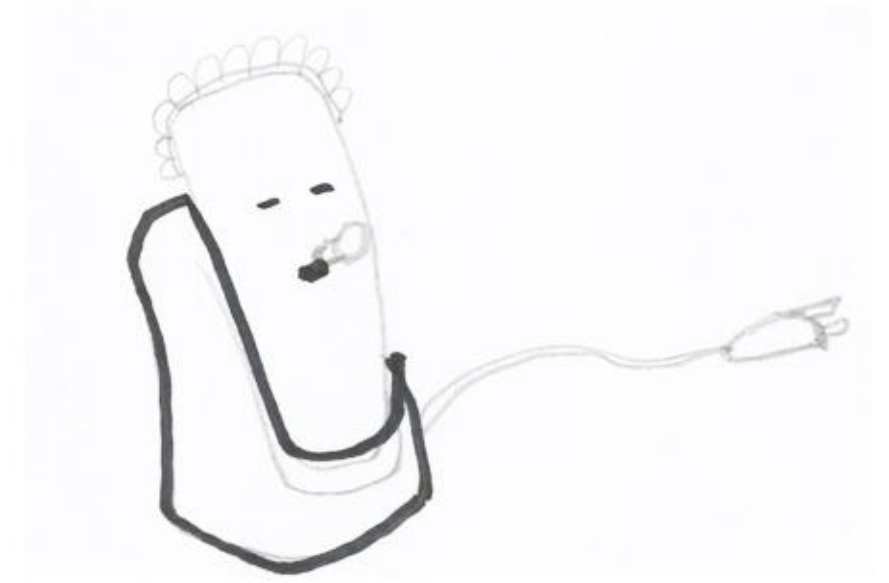
Ideation



Too Many Keys On one surface



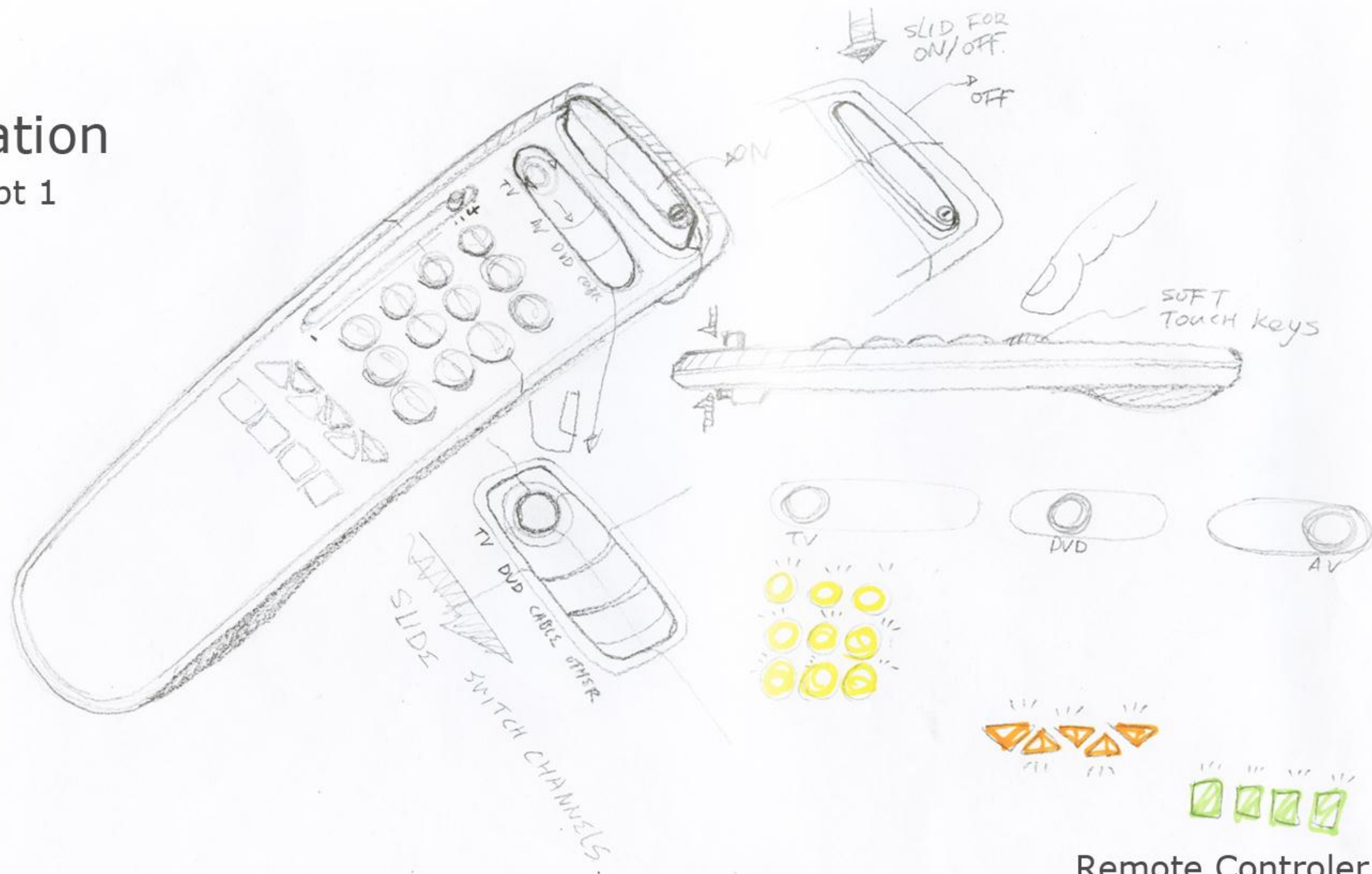
Same form on both head and tail part will cause problems



Cradle is necessary

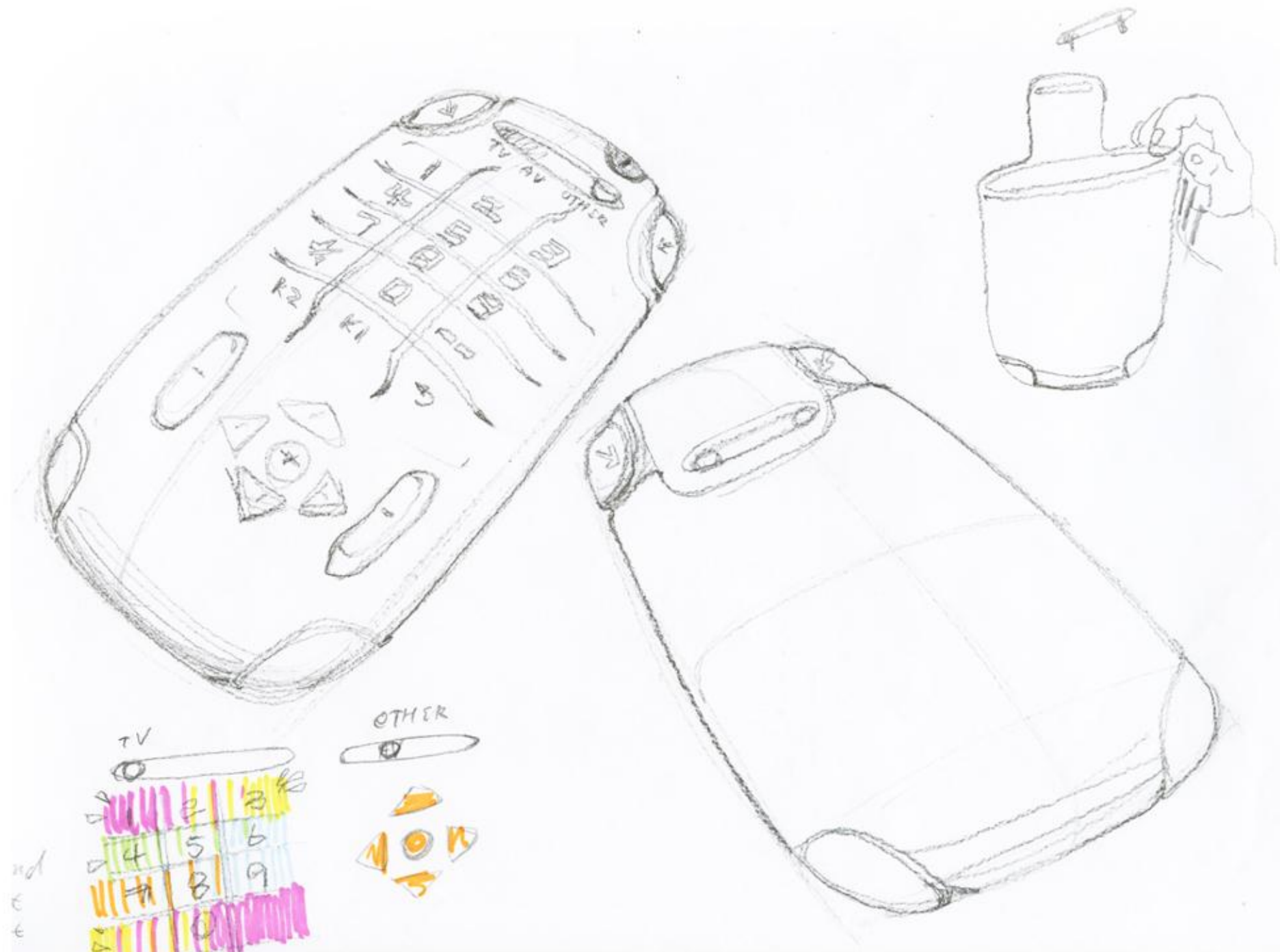
Ideation

Concept 1



Ideation

Concept 2



Final Solution

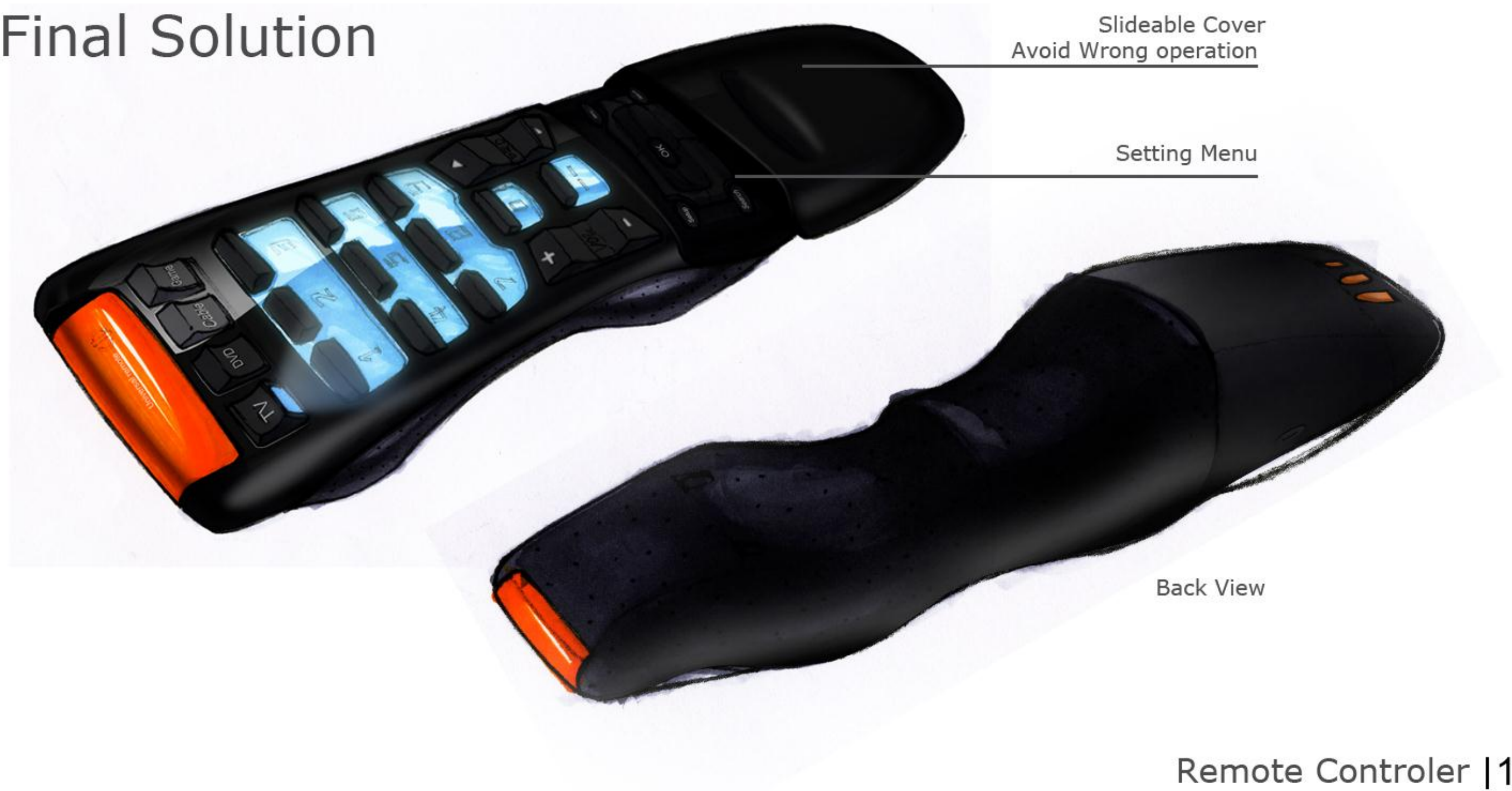
BackGround Light —
Chang color while switching device channel

Physical Keys —
Switch between different devices

On/Off Key —
Press the button first time for turning it 'ON'
Press it again for 'Off'



Final Solution



Final Solution

The Changing of background color indicates different layer of userinterface;
The device channel is changed.
Both the witch on top of the remote and the background light show the same color.



With the cradle , users won't have to change battery frequently. That is a lot of easier for elderlies than 2AA battery.



Final Solution



Final Solution



Soft touch printing
Avoid the change of slipping



Bigger key that users won't wrongly hit it

Physical switch keys are easy to read whether it is On/OFF

Number keys which have enough size and space between each other

Background light and prints have proper value of contrast

Thank you~!

