

# Smartphones – Control of Flexible Phone

GEN TRIZ Case Study

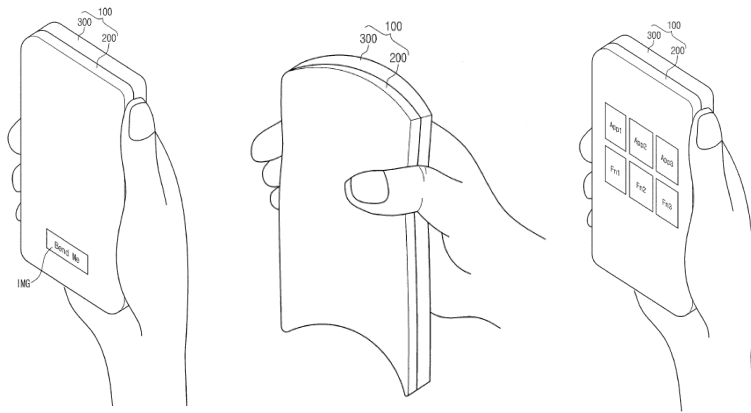
## Background

- Modern smartphones are controlled via a touchscreen. For example, to unlock a phone user has to slide a finger along the screen, moving virtual slider. To enlarge or contract a picture, also it is necessary to slide fingers around the touchscreen.
- This method is not that convenient, because fingers leave some grease on the screen surface. Moreover, next generation of smartphones are going to become flexible. For them this method of control is even less convenient.
- The problem: how to control flexible smartphones without touching a screen?



# TRIZ Problem Solving

- The Problem:
  - How to control flexible smartphones without touching a screen?
- Supereffect Analysis:
  - New feature of the smartphone: flexibility
- New functionality:
  - It is possible to control the smartphone by deforming it in certain direction
- Solution:
  - Patent US2014347286 (Samsung)



Unlocking

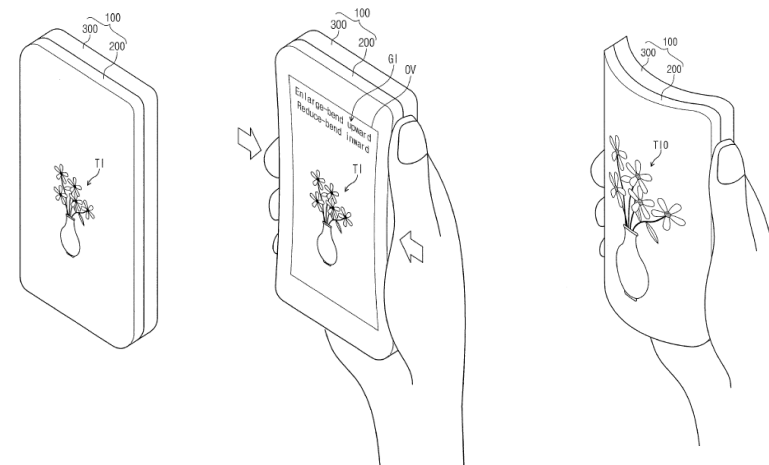


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