Sketch Model Presentation

Silver A
October 2, 2008
Problem

- Existing stoves:
  - limit burners to discrete sizes
  - Number of pots to 4-6
Unlimited Range

- Efficient Cook Top
Unlimited Range

- Efficient Cook Top
Unlimited Range

- Versatile use of Heating Space
Burner Designs

Induction

Gas

Halogen

Electrical Resistance Coil

Silver A
Burner Designs

Induction

Gas

Halogen

Electrical Resistance Coil

Silver A
Product Proposal

- Up to 150 Watts per coil
- 1.5” diameter coils
- Automatic pot sensing
Challenges Identified

- Regulating power to coils while maintaining source impedance matching
- Detecting pots in a hot environment
- Modular elements to keep manufacturing costs down
Market

- Over 8 million ranges sold each year
- Kuppersbusch makes $90 million/year
- Targeting high end kitchens, dorms