Techno-Economic Study of the Future of Home Control Functions and Home Design

Introduction

- Imagine if....
- What is Home Control?
- Overview

codjeturuje

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Background

- Current Home Technology
 - -Smart House
 - -CE Bus
 - -LonWorks
 - -X-10

Background

- •Market Trends Regarding Domestic Controls
 - -Wants & needs of consumer
 - -Frustrations with remote controls

Market

- Adults with no Children
- Adults with Children
- Elderly
- Special Needs
- Criteria

Technology

- External Data Communication
 - -Long Range RF
 - -Short Range RF
 - -Telecommunication
 - -Internet

Technology

- Internal Data Communication
 - -Short Range RF/IR
 - -X-10
 - -Unique hard wiring

System Architecture

- Decentralized
- Centralized Discrete
- Centralized Modular

System Elements

- •User
- Interface
- Controller & Modules
- Sensor Actuators
- Systems & Appliances

Solution Models

- Speech recognition
- Pager
- On Screen programming

Solution Models

- Palm Device
- Phone Systems
- Locational Interface

Conclusion

- Palm Device/Voice
- On-screen/proximity interface

Recommendations

•Further Research

Corthifugal

Concept Development

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