

Granted IN376496

# Energy harvesting from far field rf signal

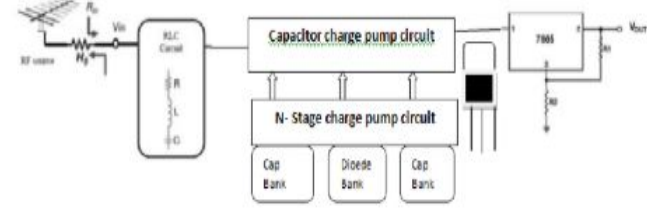


Figure-1

## NEED

Develop a solution to harness ambient RF signals for energy, addressing the limitations of conventional power sources and the finite availability of natural resources.

## SOLUTION

The invention presents a device to extract energy from ambient RF signals and elevate it to usable levels for various applications.

## INNOVATION

The development of a device capable of efficiently harvesting energy from ambient RF signals and converting it into usable DC power.

## MARKET ANALYSIS

Market: Renewable Energy Solutions

CAGR: Varies based on market adoption and technological advancements, estimated around 8-10%.

Potential Indian Clients: Energy companies, electronics manufacturers, telecommunications firms, government agencies

## WHY INVEST?

Radio frequency (RF)

Energy harvesting

Charge pump

Non-conventional energy resources

## AT A GLANCE

- Current TRL NA
- Funded by NA
- IPC A61N, H02J, H02M, H02N
- Domain  
Energy Harvesting Technology



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