
Fishery Information System
using HF band

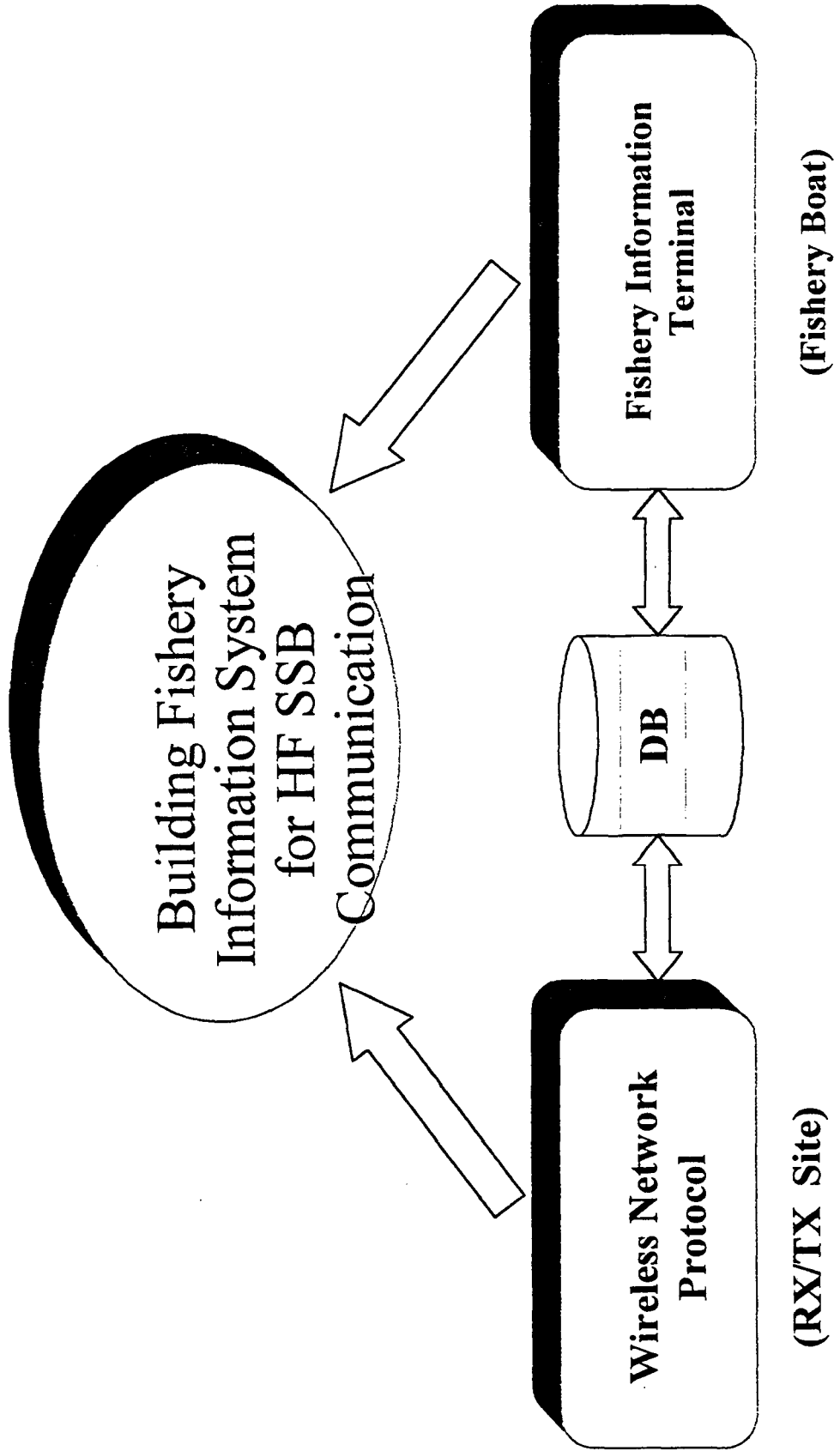
 Seijeon co., Ltd

Contents

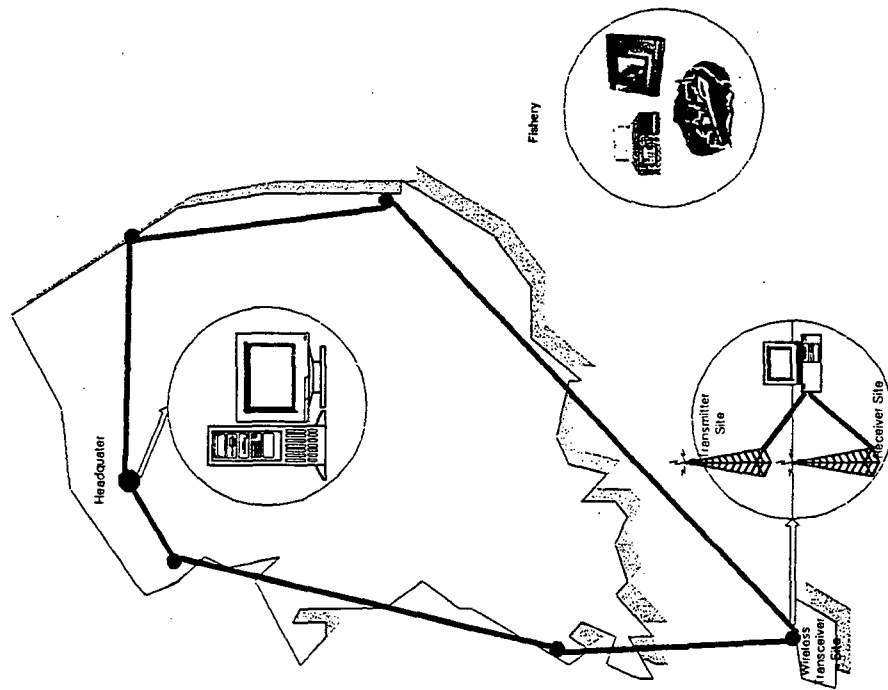
- Introduction
- System Description
- Conclusion

1. Introduction

1) A purpose of Fishery Information System

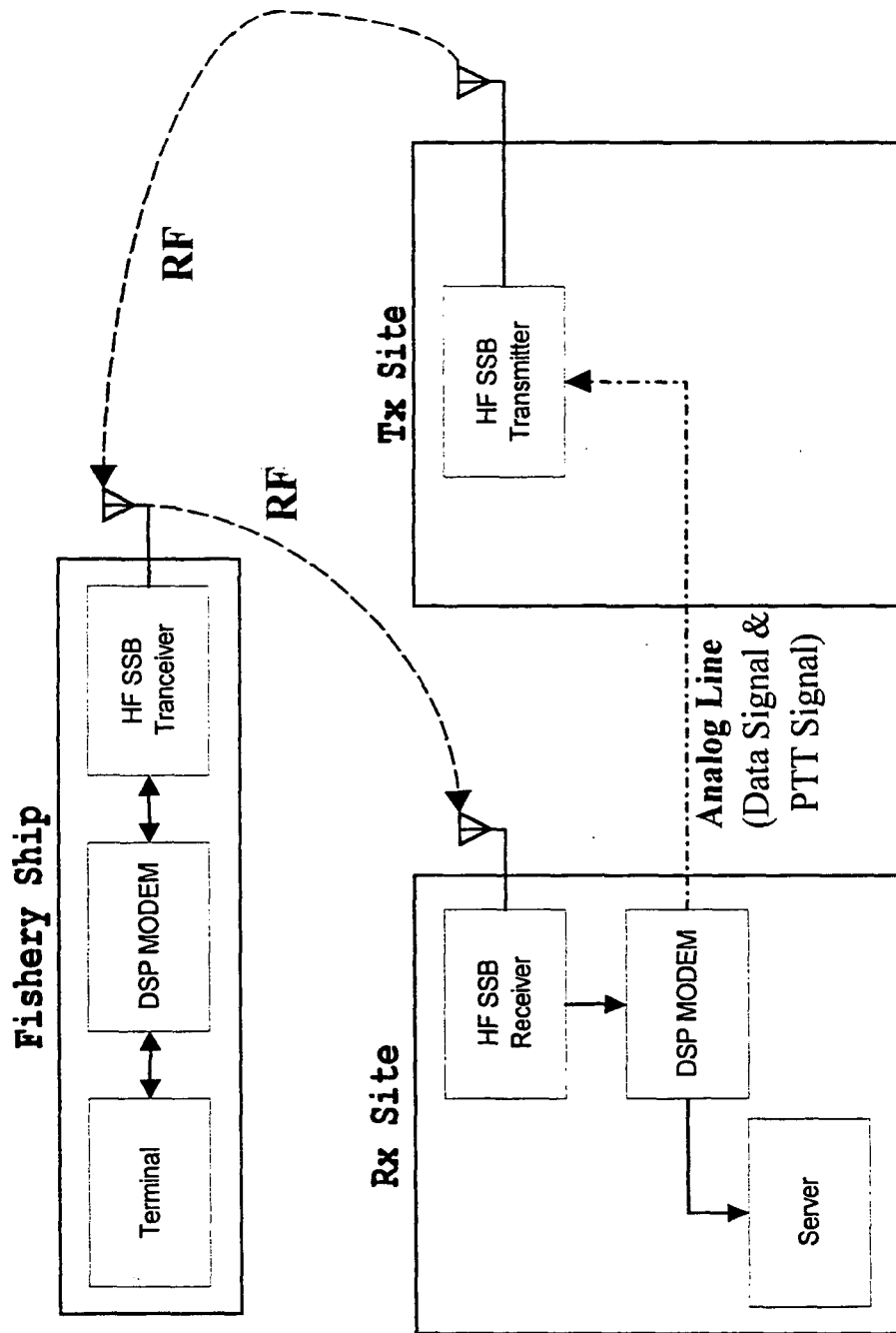


2) Wireless Network Organization

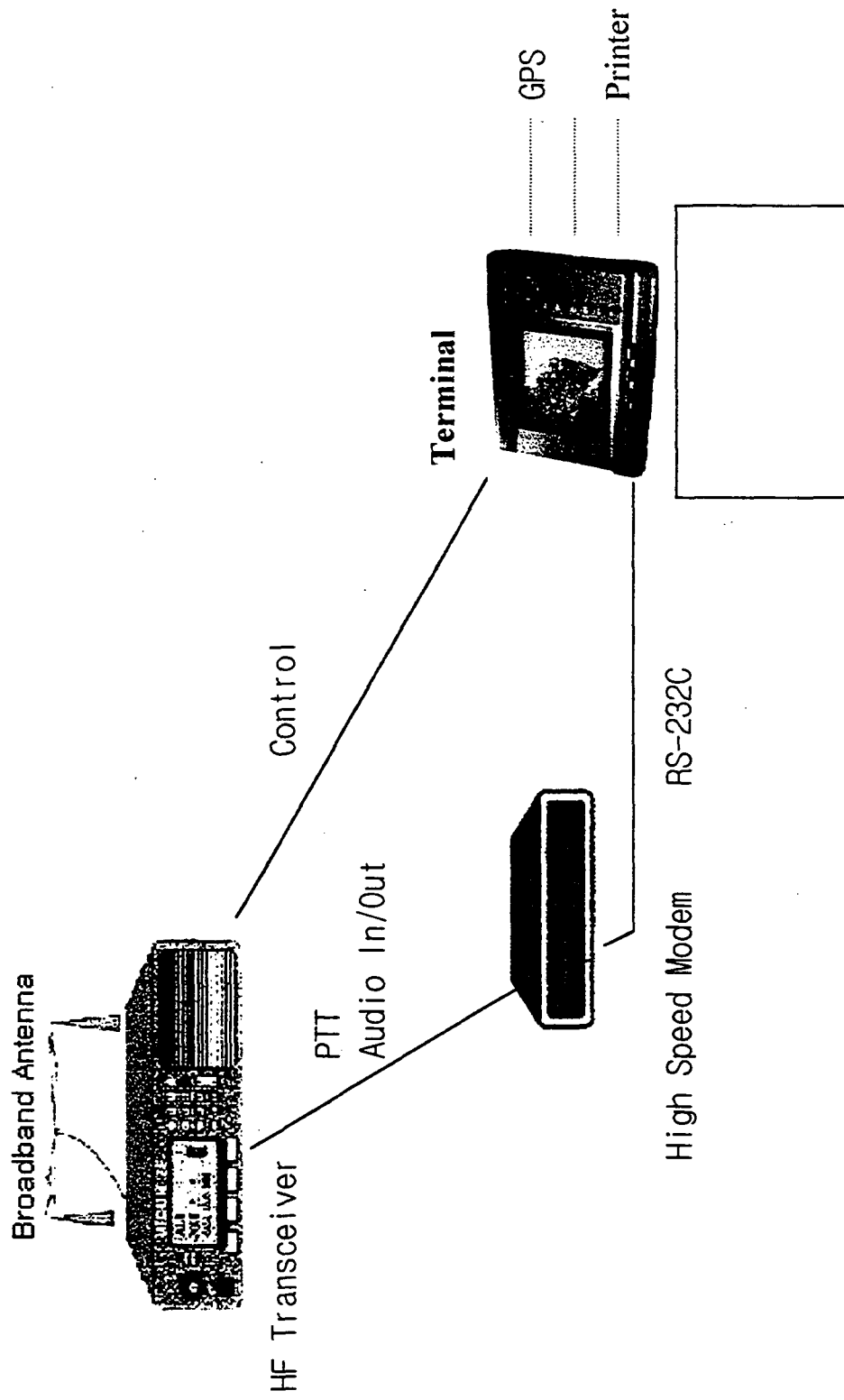


2. System Description

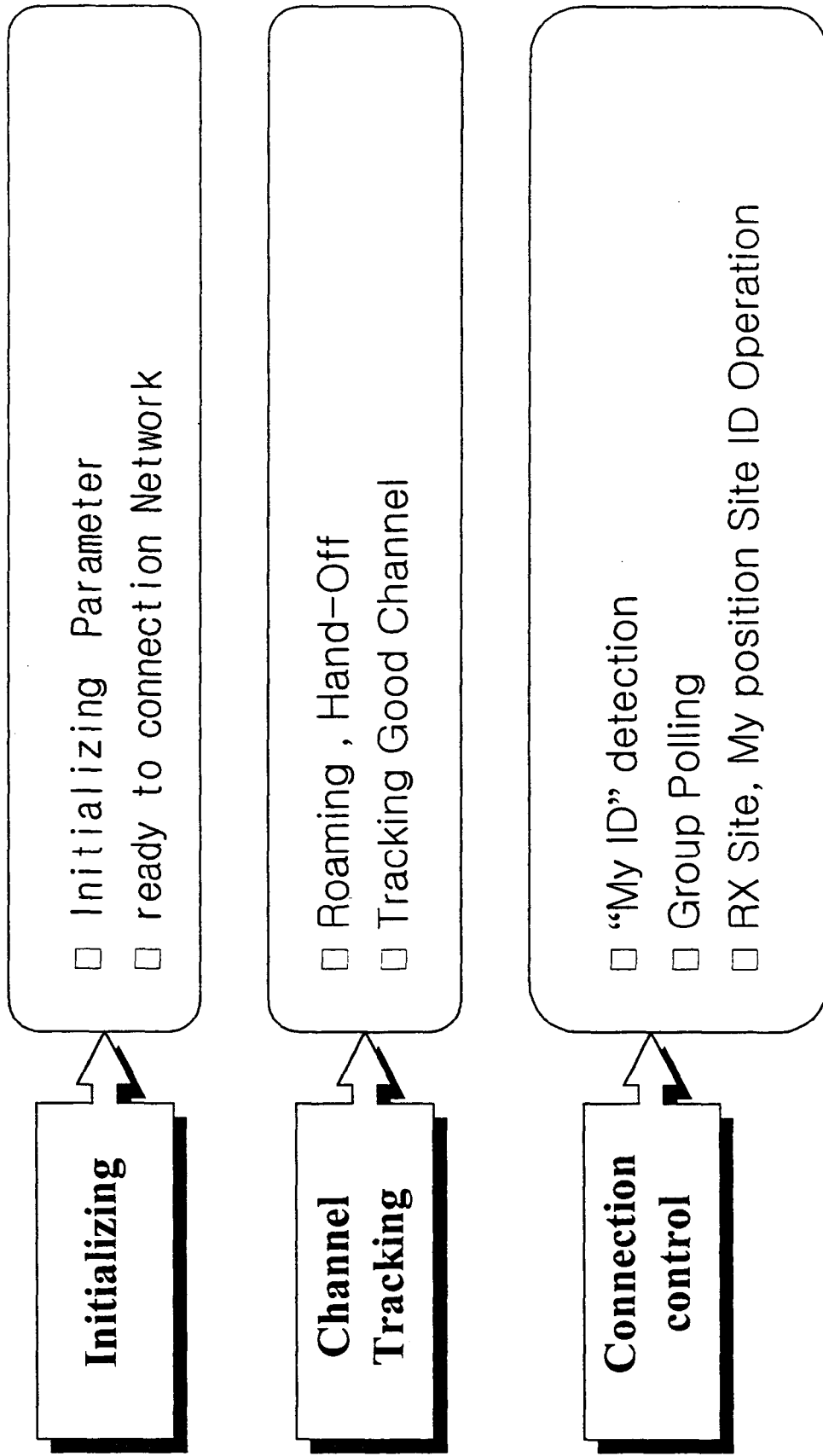
1) System Organization



2) Fishery Information Terminal



3) Wireless Protocol



**Data
Transmitting**

- Store Rx Data into DB
- Creation/Transmit PDU(Packet Data Unit)
- Check/Correction Error

**Data
Handling**

- Analysis PDU
- Confirm My ID and Store into DB
- Transfer Data to Home Position Site

4) Hardware

RX/TX Site

Hardware	Specification	Function	Remark
Server	<input type="checkbox"/> PC Server	Host, DB, NMS	
Modem	<input type="checkbox"/> BW : 2000Hz (500-2500 @-50dB) <input type="checkbox"/> ARO/FEC Mode (2PSM, BPSM, QPSM, 8PSM, 8P2A, 16P4A) <input type="checkbox"/> Thru-put : 224~3000 bps (ARQ) 112~1336 bps (EFC)	DSP	Internal
Transmitter	<input type="checkbox"/> Frequency : 1.6MHz~30MHz <input type="checkbox"/> Power : 100~250W	Data Transmission	
HF Receiver	<input type="checkbox"/> Frequency : 2MHz~30MHz	Data Receiver Only	

Fishery Boat

Hardware	Specification	Function	Remark
Fishery Information Terminal	<input type="checkbox"/> To be determined	1. Position Identification 2. Control HF Transceiver 3. PDU Transceiver	ECS
SSB Transmitter	<input type="checkbox"/> HF Receiver <input type="checkbox"/> Channel : 60~90 Channel <input type="checkbox"/> Audio : 1.6MHz~30MHz <input type="checkbox"/> Data : 2MHz~30MHz Channel Multiple Access	Data Receive Only <input type="checkbox"/> Power :50W <input type="checkbox"/> Remote Control	HF Band

3. Conclusion

- E-Mail
- Weather Information
- Report work place automatically
- Distribution chart of fishes and water temperature