Oki (UK) Limited
3 Castlecary Road, Wardpark North,
Cumbernauld, Scotland G68 0DA

FCC ID: BDBF21002A

Description of a fax unit and its circuit functions

1. General description of a fax unit

A fax unit sends a document to remote stations via a regular telephone line on the following procedure.

1) A fax unit (transmitter) scans a document to be transmitted.
2) A transmitter encodes image data of a document, which is converted into run length codes consisting of 0s, 1s, or both.
3) A transmitter modulates the encoded data with a modem, and transmits the modulated data to a remote fax unit (receiver) via a regular telephone line.
4) A receiver demodulates and decodes the received data, and prints image data onto paper.

2. The circuit functions of the model F21002A

1) CPU
   Device : HG72C706H02FD
   Clock frequency : 20.000 MHz
   Function : ITU-T T.30 protocol control (facsimile communications protocol)
   Modem / NCU control
   Encoding / Decoding
2) Modem
   Device : LC89210-F07 (V.17)
   Clock frequency : 29.4912 MHz
3) Real time clock
   Device : MSM6242RS
   Clock frequency : 32.768 kHz
4) IOGA4
   Device : MB87A138PFV-G
   Function : Scanning/Printer/Peripheral control
5) Motor driver 1
   Device : STA401A
   Function : Scanning motor driving

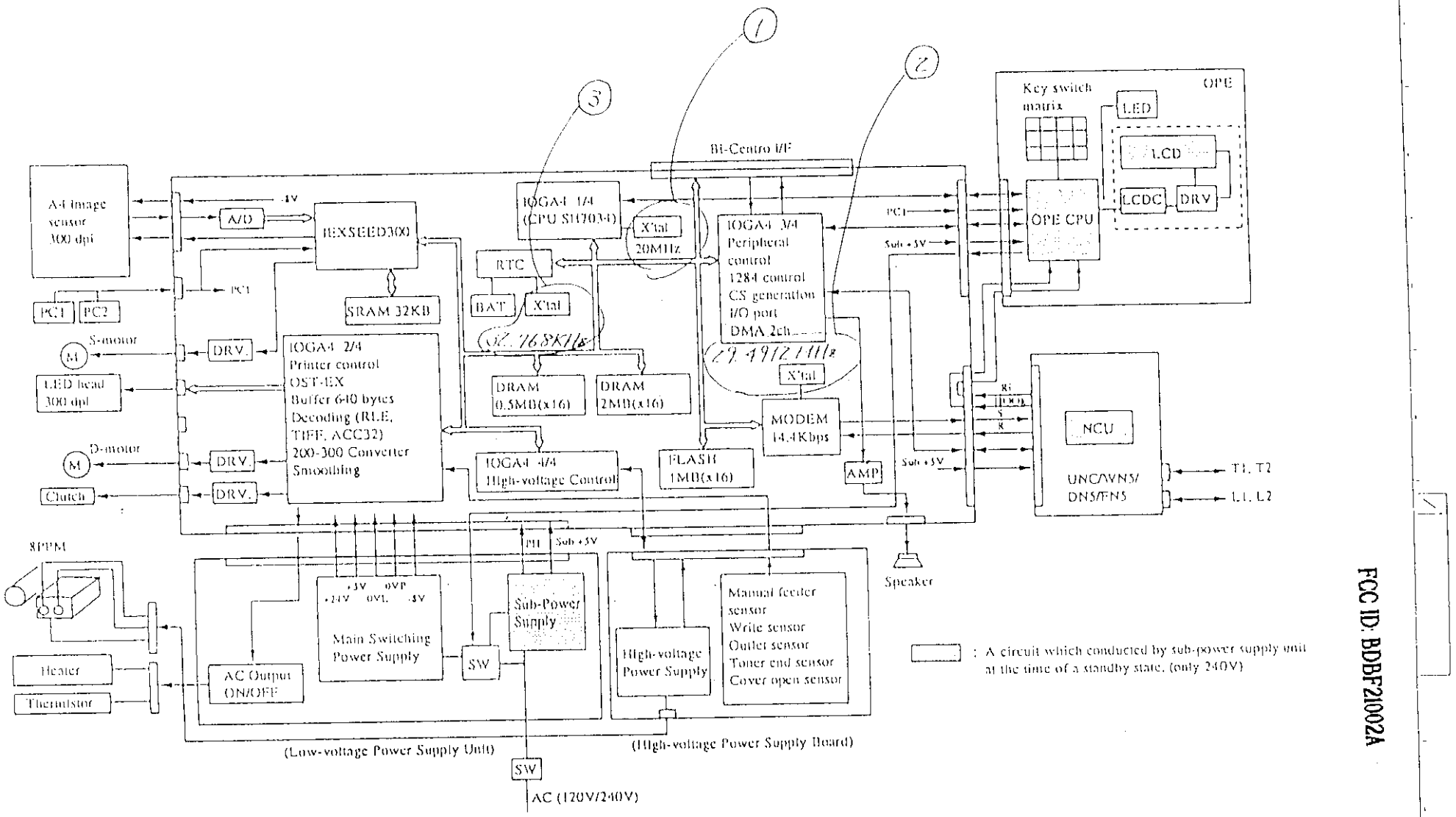
Oki (UK) Limited
3 Castlecary Road, Wardpark North
Cumbernauld, Scotland G68 0DA

6) Motor driver 2
   Device : MTD2005F
   Function : Drum / Resist motor driving
7) Flash Memory
   Device : MBM29F800TA-70PFTN
8) DRAM
   Device : 514265JP-60, 5118160JP-60
9) SRAM
   Device : 62256LFP-7LL

Kenji Iwata Date : 10/July/1998

Kenji Iwata
Manager
Product Development Department - C
Oki Data Corporation

OKI CONFIDENTIAL



FCC ID: BDBF21002A

OKIOFFICE 84

Block Diagram