SEQUENCE NR: CSB91551410 USER-[redacted] ID: 19320-91JUL22/17.06.01/A09

TITLE: ELECTRONIC THERAPEUTIC EQUIPMENT DEVELOPED BY NANJING UNIVERSITY
DOC REF: KEJI RIBAO (SCIENCE AND TECHNOLOGY DAILY) (BEIJING) (KERIE), 910110, NR 110, 2
INF CTY: PEOPLES REPUBLIC OF CHINA (CH)
INF DATE: 910110
COSATI: BIOLOGICAL AND MEDICAL SCIENCES (06); TEST EQUIPMENT, RESEARCH FACILITIES AND REPROGRAPHY (14)
CLASSIF: UNCLASSIFIED
RELEASE: NONE (XX)

TEXT: ENTIRE.

SUCCESSFULLY DEVELOPED BY ZHU BING AND GU JIALIE AND OTHERS, OF THE PHYSICS DEPARTMENT, NANJING UNIVERSITY, AND MANUFACTURED BY THE DONGNAN SCIENCE AND TECHNOLOGY DEVELOPMENT CORPORATION OF NANJING UNIVERSITY, THE MODEL MT-871B ELECTRONIC MULTIFUNCTION DIAGNOSTIC INSTRUMENT WAS AWARDED A GOLD PRIZE IN NOVEMBER 1990 AS AN INNOVATIVE PRODUCT FOR ADVANCED APPLICATION OF GAINS IN SCIENCE AND TECHNOLOGY IN JIANGSU PROVINCE.

CHINA'S TRADITIONAL MEDICAL THEORY OF MERIDIANS HAS A LONG HISTORY; THE HUMAN PINNA IS CONSIDERED AS A SURROGATE FOR THE HUMAN BODY, VIEWED UPSIDE DOWN, WITH ACUPUNCTURE POINTS DISTRIBUTED OVER THE PINNA CORRESPONDING TO THE HUMAN TRUNK AND INTERNAL ORGANS. THE ELECTRONIC MULTIFUNCTION DIAGNOSTIC INSTRUMENT COMBINES BIOPHYSICS AND TRADITIONAL CHINESE MEDICAL THEORY OF MERIDIANS BY ADOPTING THE DATA PROCESSING METHOD OF COMBINING THE DYNAMIC MEASUREMENT PRINCIPLE AND THE COMBINATION OF THE INSTANTANEOUS AND STEADY STATES, BY PLACING A PROBE ROD ON THE RELATED ACUPUNCTURE POINTS ON THE HUMAN EAR. BASED ON THE WAVEFORM CHARACTERISTICS OBTAINED FROM THE DETECTED SIGNALS AND BY REFERRING TO THE STANDARD WAVE SPECTRUM, DISEASE SYMPTOMS, SEVERITY AND LOCALIZATION CAN BE DETERMINED. THE PRECISION RATE CAN BE AS HIGH AS 90 PERCENT IN THE DETECTION AND MEASUREMENT OF COMMON DISEASES; MOREOVER, THE INSTRUMENT CAN ALSO BE USED IN TREATING VARIOUS MALADAPTIVE SYMPTOMS OF ACUPUNCTURE AND MOXIBUSTION WITH AN EFFICACY RATE OF 95 PERCENT.

PFN INFORMATION: PART 001

RELATES: THE MT-871B MEDICAL EQUIPMENT WAS DESIGNED BY BIN ZHU AND JIALIE YAN AND DEVELOPED AT NANJING UNIV. BIN ZHU AND JIALIE YAN ARE MEMBERS OF NANJING UNIV.

PERSON: ZHU, BIN
PERS CTY: PEOPLES REPUBLIC OF CHINA (CH)

SEQUENCE NR: CSB91551410 USER-[redacted] ID: 19320-91JUL22/17.06.01/A09

PERSON: YAN, JIALIE
PERS CTY: PEOPLES REPUBLIC OF CHINA (CH) SG1J

FACILITY: NANJING UNIV
SUBORD: DEPARTMENT OF PHYSICS
FACL CTY: PEOPLES REPUBLIC OF CHINA (CH)
FSUBORD: FACILITY SUBORDINATION DATA

NOMN: MT-871B (MT871B) MEDICAL EQUIPMENT
NOMN CTY: PEOPLES REPUBLIC OF CHINA (CH)

PFN INFORMATION: PART 002

RELATES: THE MT-871B MEDICAL DEVICE WAS MANUFACTURED AT SOUTHEAST SCIENCE AND TECHNOLOGY COMPANY (NANJING UNIV).

FACILITY: SOUTHEAST SCIENCE AND TECHNOLOGY COMPANY
SUPERIOR: NANJING UNIV
FACL CTY: PEOPLES REPUBLIC OF CHINA (CH)
FSUBORD: FACILITY SUBORDINATION DATA

NOMN: MT-871B (MT871B) MEDICAL DEVICE
NOMN CTY: PEOPLES REPUBLIC OF CHINA (CH)