H05G

X-RAY TECHNIQUE (investigating or analysing materials by the use of X-rays G01N 23/00; apparatus for X-ray photography G03B 42/02; X-ray tubes H01J 35/00; TV systems having X-ray input H04N 5/321)

References

Limiting references

This place does not cover:

Investigating or analysing materials by the use of X-rays	G01N 23/00
Apparatus for X-ray photography	G03B 42/02
X-ray tubes	H01J 35/00
TV systems having X-ray input	H04N 5/321

Informative references

Attention is drawn to the following places, which may be of interest for search:

Apparatus for radiation diagnosis	A61B 6/00
X-ray therapy	A61N
Filters, conversion screens or microscopes	G21K

H05G 1/00

X-ray apparatus involving X-ray tubes; Circuits therefor

Definition statement

This place covers:

Devices intended to be used in conjunction with X-ray tubes and containing technical features relating to the operation of the X-ray tube, such as providing power, controlling the operation of the tube itself, cooling the tube.

References

Limiting references

This place does not cover:

Computed tomography	A61B 6/03
Positioning of patients; Tiltable beds or the like	A61B 6/04

Informative references

Attention is drawn to the following places, which may be of interest for search:

Measuring x-ray intensity	G01T
Regulating supply in general	G05F
Measuring electric values	H01R

H05G 1/04

Mounting the X-ray tube within a closed housing

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

X-ray windows	H01J 5/18

H05G 1/24

Obtaining pulses by using energy storage devices

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Pulse generators	H03K

H05G 1/26

Measuring, controlling or protecting (measuring X-ray radiation G01T)

References

Limiting references

This place does not cover:

Measuring X-ray radiation	G01T

Informative references

Attention is drawn to the following places, which may be of interest for search:

Measuring electric values	G01R

H05G 1/32

Supply voltage of the X-ray apparatus or tube

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Regulating supply without reference to operating characteristics of the apparatus	G05F

H05G 1/34

Anode current, heater current or heater voltage of X-ray tube

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Regulating supply without reference to operating characteristics of the apparatus	G05F

H05G 1/48

Compensating the voltage drop occurring at the instant of switching-on of the apparatus

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Regulating supply without reference to operating characteristics of the apparatus	G05F

H05G 1/54

Protecting {or lifetime prediction} (overload protection combined with control H05G 1/46)

References

Limiting references

This place does not cover:

Overload protection combined with control	H05G 1/46

H05G 2/00

Apparatus or processes specially adapted for producing X-rays, not involving X-ray tubes, e.g. involving generation of a plasma (X-ray lasers H01S 4/00)

References

Limiting references

This place does not cover:

X-ray lasers	H01S 4/00

Informative references

Attention is drawn to the following places, which may be of interest for search:

Plasma technique in general	H05H

H05G 2/001

{X-ray radiation generated from plasma (plasma for generation of electrons to be accelerated towards an anode H01J 35/00)}

Definition statement

This place covers:

Generation of recombination radiation in hot plasma, interaction of laser radiation with highly charged ions for harmonics generation.

Devices in which a plasma is used for generation of electrons to be accelerated towards an anode	H01J 35/00

H05G 2/003

{being produced from a liquid or gas}

Definition statement

This place covers:

Generation of radiation from plasma being produced from material which is provided in a non-bulk state, including liquids which solidify (in clusters or frozen droplets) in the vacuum chamber, e.g. after passing the liquid through a nozzle; discharge plasma sources;Including Sn or Li sources where the material to be excited is evaporated or molten before excitation to plasma