

Title (en)
BETATRON COMPRISING A CONTRACTION AND EXPANSION COIL

Title (de)
BETATRON MIT CONTRACTION- UND EXPANSION-SPULE

Title (fr)
BETATRON A BOBINE DE CONTRACTION ET D'EXPANSION

Publication
EP 2082625 A1 20090729 (DE)

Application
EP 07802169 A 20070906

Priority
• EP 2007007765 W 20070906
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Abstract (en)
[origin: DE102006050953A1] The betatron has a rotationally symmetrical inner yoke comprising two parts (2a, 2b) arranged at a distance from each other, and a torus-shaped betatron tube (5) arranged between a front side of yoke parts. A contraction and expansion coil (7a, 7b) is arranged between the front side of the inner yoke parts and the betatron tube, where a radius of the coil is equal to a reference turning radius of electrons in the betatron tube. A main field coil (6a, 6b) is arranged on the inner yoke, where the front sides of the inner yoke parts are arranged mirror-symmetrical to one another.

IPC 8 full level
H05H 11/00 (2006.01); **H05H 11/04** (2006.01)

CPC (source: EP US)
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