

Title (en)
CHARGED PARTICLES LINEAR ACCELERATOR WITH DRIFT TUBES

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EP 0094889 B1 19860820 (FR)

Application
EP 83400978 A 19830516

Priority
FR 8208786 A 19820519

Abstract (en)
[origin: US4596946A] A linear charged particle accelerator incorporating drift tubes is disclosed. The linear charged particle accelerator is of the type comprising, within a conductive envelope, drift tubes defining between them acceleration gaps of lengths such that in two successive gaps the longitudinal component of the electrical field has an identical modulus having in each gap, a supplementary drift tube arranged substantially in the center of the gap between two adjacent tubes and electrically connected to the envelope by an impedance, the addition of the supplementary drift tubes making it possible to reduce the diameter of the drift tubes and increase the effective linear shunt impedance of the accelerator structure.

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IPC 8 full level
H05H 9/00 (2006.01); **H05H 9/04** (2006.01)

CPC (source: EP US)
H05H 9/04 (2013.01 - EP US)

Cited by
DE10333454A1; DE10333454B4; EP0738101A1; US5814940A; EP1603371A3; GB2175741A; US4667111A; GB2175741B

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