

Title (en)  
UNDULATOR AND METHOD FOR OPERATION THEREOF

Title (de)  
UNDULATOR UND VERFAHREN ZU DESSEN BETRIEB

Title (fr)  
ONDULEUR ET PROCEDE DE FONCTIONNEMENT

Publication  
**EP 1692923 B1 20070425 (DE)**

Application  
**EP 04820401 A 20041127**

Priority  
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Abstract (en)  
[origin: US2006158288A1] In an undulator for the generation of synchrotron radiation from a particle beam introduced into the undulator, two partial undulators are provided each comprising a conductor of superconductive material which, when a current is conducted therethrough, generates an undulator field that extends perpendicularly to the current flow, and the superconductive conductors are arranged in the individual partial undulators such that the undulator fields generated are not parallel, whereby, by controlling the energization of the two partial undulators, the polarization direction of the synchrotron radiation can be adjusted without mechanical movements.

IPC 8 full level  
**H05H 7/04** (2006.01)

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