

Title (en)

CONTROL OF DC/DC CONVERTERS HAVING SYNCHRONOUS RECTIFIERS

Title (de)

REGELUNG VON GLEICHSPANNUNGSWANDLERN MIT SYNCHRONGLEICHRICHTERN

Title (fr)

COMMANDE DE CONVERTISSEURS CONTINU-CONTINU COMPORTANT DES REDRESSEURS SYNCHRONES

Publication

EP 1196981 A2 20020417 (EN)

Application

EP 00945283 A 20000707

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- US 17288499 P 19991220

Abstract (en)

[origin: WO0103277A2] A DC to DC power converter includes synchronous rectifiers which respond to a control waveform. Negative current from a load into the power converter is prevented by increasing the converter output voltage at a minimum current limit. The synchronous rectifiers may be held off in response to decision logic by activation of a hold-off circuit connected to a control terminal of a synchronous rectifier or of an ORing transistor at the converter output. When the synchronous rectifier is subsequently enabled, its control waveform may be increased slowly relative to the switching cycle.

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H02M 1/00

IPC 8 full level

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