

Title (en)

RECTIFIER CIRCUIT SUITED TO POWER FACTOR CORRECTION

Title (de)

FÜR DIE LEISTUNGSFAKTORKORREKTUR ANGEPASSTE GLEICHRICHTERSCHALTUNG

Title (fr)

CIRCUIT REDRESSEUR ADAPTE A LA CORRECTION DE FACTEUR DE PUISSANCE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0219505A1] The invention relates to a rectifier circuit suited to power factor correction, comprising a first (D1), second (D2), third (D3) and fourth (D4) diode in a bridge arrangement, an inductance (L1) and a capacitance (C1), whereby a first (10) and second pole (12) of the bridge arrangement are connected to a supply (U) which comprises at least one alternating voltage component. The inductance (L1) is arranged in series with the third (14) or fourth pole (16), the capacitor (C1) is arranged between the first (10) and the second pole (12) and two of the four diodes (D1, D2, D3, D4) are embodied as fast-recovery diodes.

IPC 1-7

H02M 1/00

IPC 8 full level

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