

Title (en)  
RIPPLE CURRENT GENERATOR WITH A SATURABLE SELF-INDUCTING COIL

Title (de)  
WECHSELSTROMERZEUGER MIT SÄTTIGBARER REAKTANZ

Title (fr)  
GENERATEUR DE COURANT ONDULE A SELF SATURABLE

Publication  
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Application  
**EP 95901493 A 19941115**

Priority  
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Abstract (en)  
[origin: WO9514364A1] A ripple current generator for use in an induction heating apparatus, comprising a resonant circuit with a current injecting self-inducting coil (6), a capacitor (13), an induction heating coil (14) and a high-frequency controlled power switch (12). Said current injecting self-inducting coil (6) is saturable and mounted in series with a parallel assembly consisting of two arms, i.e. a first arm (B1) containing the switch (12) and a second arm (B2) containing a capacitor (13) mounted in series with the induction heating coil (14). Said generator is useful in household cooking appliances such as induction plates, cookers or deep fryers, as well as industrial induction heating equipment for treating metal components.

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IPC 8 full level  
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