RTMP COPY

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : H02J 13/00 — A1

(11) International Publication Number: WO 96/01520

(43) International Publication Date: 18 January 1996 (18.01.96)

(21) International Application Number: PCT/SE95/00820

(22) International Filing Date: 3 July 1995 (03.07.95)

(30) Priority Data:
9402358-7 4 July 1994 (04.07.94) SE

(71) Applicant *(for all designated States except US)*: VATTENFALL AB [SE/SE]; S-162 87 Stockholm (SE).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: NORBERG, Calle [SE/SE]; Åsagatan 18, S-803 27 Gävle (SE).

(74) Agent: AWAPATENT AB; P.O. Box 53, S-826 22 Söderhamn (SE).

(81) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT, UA, US, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, MW, SD, SZ, UG).

Published

With international search report.

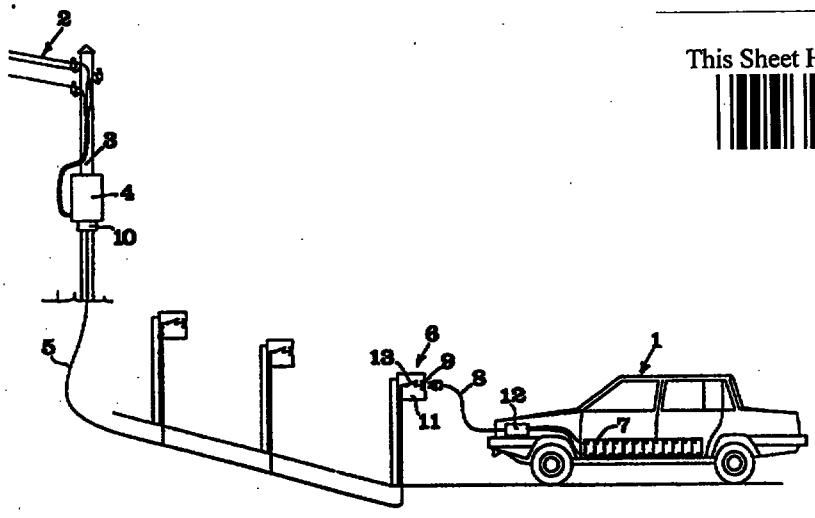
Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

In English translation (filed in Swedish).

SG 9612102-5

(1) PCT Appn + SR
(2) Amendment
(3) Spec & Annex

(54) Title: DISTRIBUTION NETWORK AND METHOD AND DEVICE FOR REGULATING ELECTRIC CURRENT FROM THE NETWORK



This Sheet Has Been Replaced

(57) Abstract

The present invention relates to a distribution network comprising electric wires (5) for distribution of electric current, a plurality of tap-off facilities (6) with at least one socket means (9) for tapping off electric current to optional power-consuming units (1), and a central computer unit (10) communicating with the individual tap-off facilities. At least some tap-off facilities (6) in the network comprise a switch (13) and a regulating device (11) with a microprocessor (21), a user connecting a power-consuming unit (1) to one of said tap-off facilities being identifiable to the central computer unit (10) or to the regulating device (11) via a microprocessor in the power-consuming unit, and the regulating device, in case of accepted identification, keeping the switch (13) closed and permitting tap-off of electric current from the socket means (9), whereas, in case of non-accepted identification, the regulating device keeps the switch open and prevents tap-off of electric current from the socket means (9). The invention also relates to a device and a method for respectively permitting and preventing current supply from the network.

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AT	Austria	GB	United Kingdom	MR	Mauritania
AU	Australia	GE	Georgia	MW	Malawi
BB	Barbados	GN	Guinea	NE	Niger
BE	Belgium	GR	Greece	NL	Netherlands
BF	Burkina Faso	HU	Hungary	NO	Norway
BG	Bulgaria	IE	Ireland	NZ	New Zealand
BJ	Benin	IT	Italy	PL	Poland
BR	Brazil	JP	Japan	PT	Portugal
BY	Belarus	KE	Kenya	RO	Romania
CA	Canada	KG	Kyrgystan	RU	Russian Federation
CF	Central African Republic	KP	Democratic People's Republic of Korea	SD	Sudan
CG	Congo			SE	Sweden
CH	Switzerland	KR	Republic of Korea	SI	Slovenia
CI	Côte d'Ivoire	KZ	Kazakhstan	SK	Slovakia
CM	Cameroon	LI	Liechtenstein	SN	Senegal
CN	China	LK	Sri Lanka	TD	Chad
CS	Czechoslovakia	LU	Luxembourg	TG	Togo
CZ	Czech Republic	LV	Latvia	TJ	Tajikistan
DE	Germany	MC	Monaco	TT	Trinidad and Tobago
DK	Denmark	MD	Republic of Moldova	UA	Ukraine
ES	Spain	MG	Madagascar	US	United States of America
FI	Finland	ML	Mali	UZ	Uzbekistan
FR	France	MN	Mongolia	VN	Viet Nam
GA	Gabon				

9612102-5