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(71) Applicant (for all designated States except DE, US):
KONINKLIJKE PHILIPS ELECTRONICS N.V.
[NL/NL]; High Tech Campus 5, NL-5656 AE Eindhoven
(NL).

(71) Applicant (for DE only): **PHILIPS INTELLECTUAL
PROPERTY & STANDARDS GMBH** [DE/DE];
Lubeckertordamm 5, 20099 Hamburg (DE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **BOEKE, Ulrich**
[DE/DE]; c/o High Tech Campus Building 44, NL-5656
AE Eindhoven (NL).

(74) Agents: **VAN EEUWIJK, Alexander, H., W.** et al; High
Tech Campus 44, NL-5600 AE Eindhoven (NL).

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AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,
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MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD,
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(54) Title: CONTROLLED CONVERTER ARCHITECTURE WITH PRIORITIZED ELECTRICITY SUPPLY

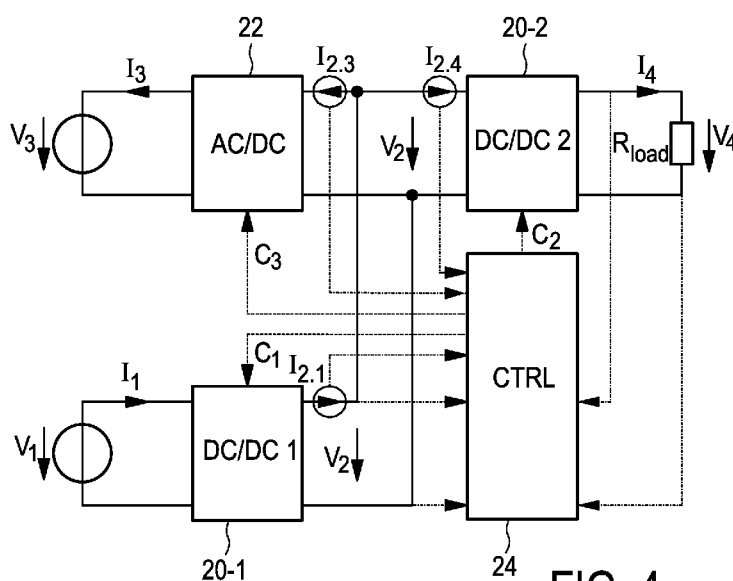


FIG. 4

(57) Abstract: The present invention relates to a power converter architecture and its operation principle that supplies an electric load with a controlled direct voltage from both a local direct current electricity source as well as an alternating current (AC)mains with maximum power conversion efficiency. For the case that the local electricity source can not provide enough electricity to the local load it is additionally supplied with electricity from the AC mains. In other case electricity is also feed into the AC grid when a local source can provide more electricity than needed to supply local loads.

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2012/052002

A. CLASSIFICATION OF SUBJECT MATTER
INV. H02J1/10 H02J3/38 H02J3/46 H02J5/00
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
H02J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EPO-Internal , WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 2 224 571 AI (SHARP KK [JP]) 1 September 2010 (2010-09-01)	1,3,4, 6-13
Y	figure 5 paragraph [0005] paragraph [0008] - paragraph [0015] paragraph [0019]	2, 5
Y	----- US 2005/162018 AI (REALMUTO RICHARD A [US] ET AL) 28 July 2005 (2005-07-28) paragraph [0045] -----	2, 5



Further documents are listed in the continuation of Box C.



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Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040,
Fax: (+31-70) 340-3016

Authorized officer

Despi s, Enguerran

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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			JP 5081596 B2 28-11-2012
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			US 2010253148 AI 07-10-2010
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US 2005162018	AI	28-07-2005	NONE
