

RACAL MICROELECTRONIC SYSTEMS LIMITED whose registered office is at Western Road, Bracknell, Berkshire ("Racal").

DALLAS SEMICONDUCTOR (a corporation incorporated under the laws of the State of Texas U.S.A.) of 4350 Beltwood Park... U.S.A. ("Dallas").

(11) 4,381,458
(45) Apr. 26. 1983

United States Patent (19)

Anstey et al.

- [14] BACK-UP ELECTRICAL POWER SUPPLIES
- [15] Inventors: Michael J. Anstey, Wokingham; David F. Brown, Thorplands, both of England
- [17] Assignee: Racal Microelectronic Systems Limited, Bracknell, England

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[22] Filed: Aug. 4, 1981

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[31] Int. Cl. 1102J 9/02
[32] U.S. Cl. 307/66; 307/64; 307/150; 346/200

[33] Field of Search

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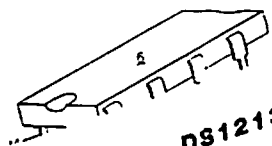
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Primary Examiner—Michael L. Gellner
Assistant Examiner—Derek Jennings
Attorney, Agent, or Firm—Leydig, Voit, Osann, Mayer & Holt, Ltd.

ABSTRACT

A back-up electrical power supply module provides a back-up supply for a plug-in volatile electrical device such as a memory module. The memory module has a dual-in-line pins which engage socket openings of a standard dual-in-line circuit board connector. The back-up supply module is mounted on top of the memory module and has dual-in-line pins which contact corresponding ones of the pins of the memory module and the memory module can be unplugged as a unit and when unplugged, the back-up supply will maintain the contents of the volatile memory module intact.

14 Claims, 4 Drawing Figures



DS1213

Dallas Semiconductor SmartSocket

FEATURES

- Accepts standard 2K x 8 and 8K x 8 static RAMS
- Minimum energy cell retains

Dallas Semiconductor - Racal Microelectronic Systems Ltd

We spoke on the 2nd February 1988, when we discussed the possibility of my clients Dallas Semiconductor purchasing your patents for the plug in socket module.

I have taken my clients' instructions and am told that if the price is right they are willing to purchase the patents from you and/or Racal.

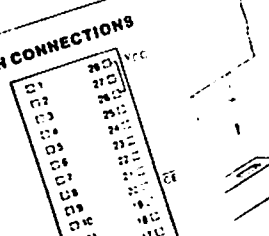
MIKE ANSTEY

Mike spent the first nine years after gaining his degree as a college lecturer, teaching mainly computing and computer related subjects.

In early 1983 he started work on a number of development projects and since that time he has chalked up a significant list of industrial and commercial achievements. Within six years three of his projects have been developed from initial idea to final product. The first project, a DIL power supply module, was originally assigned to Racal and then subsequently acquired by Dallas Semiconductor in the USA. The second project, an electronic advertising system, is licenced to GPT Reliance for use as a hotel information system, and was featured in an edition of BBC Television's 'Horizon' programme. The most recent project, a three dimensional electronic building system known as 'Chiprack' is assigned to Dowty. The prototype was awarded the Electronics Weekley/Internecon award for the most innovative electro-mechanical product of 1985 and the developed system was launched at Internecon in March 1989.

Mike has undertaken consultancy work for Racal, Dowty and a number of small start up ventures. He has been granted British, American and other foreign patents for his work and has written many articles for commercial and technical journals.

Mike specialises in problem solving and in generating innovative product solutions linked to protectable intellectual property.



2.4 The parties hereto have agreed for the assignment of the Patents to Dallas by Racal
 Racal is the registered proprietor of U.K. patent number 2084769 and U.S. patent number 4381458 (together "the Patents").
 Racal acquired the title to the Patents via an agreement dated 27th July 1981 ("the Agreement") and an assignment dated 10th September 1981 copies of which are annexed hereto as annexes A and B. Certain rights to Mr. Anstey and Mr. Brown are reserved.

inventors.ca

Hotels feature
HOTELX is an easy to use
Computer Program which
enables a hotelier
his own in-ho-
Many hotels derive an advertising revenue from local
advertisements through the service for income tax purposes
and it is possible to pay for the running of this system
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Computer Program which
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A brilliant new information system

Information from local
packaging from GEC Reliance is a new computerized
system which provides a wide range of information on
the products and services of GEC Reliance. The system
is designed to help you find the information you need
quickly and easily. It is a unique and powerful tool
for anyone who is interested in GEC Reliance products
and services. The system is available in both hard copy
and on-line formats. It is a must-have for anyone
who is looking for information on GEC Reliance.

ICDC displays latest strategy

SURREY start-up, ICDC, is out to make a killing in the electronic display market. The company has developed a range of interactive advertising systems in keyboard, single key and light sensor versions. The systems will be manufactured and distributed by Fairtek based GMS, which OEM deal with GEC Reliance. This first system, due for launch this week, will sell for under £1,000 for a complete system. The system is designed to be used in hotels, restaurants, and other public places. It allows users to interact with the system to view information, such as hotel room rates, restaurant menus, and more. The system is a major step forward in the development of interactive advertising technology.

connector for chip

£250,000

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OKWAVE

Electric Circuit Units

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HOTEL INFORMATION SYSTEM

The perfect room service

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CANADIAN PATENT (12)

4,805K 1/02

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UK Patent (61) GB (11) 2 127

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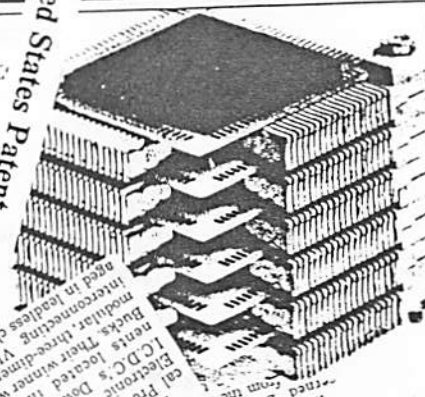
INTERCON

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Patent Number: 4,502,098
Date of Patent: Feb. 26 1988

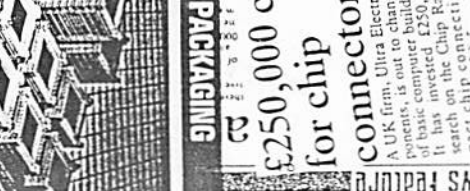
Patent Number: 4,381,458
Date of Patent: Apr. 26, 1983



United States Patent (19)



Jan. 20, 1987
4,638,348



LETRONIC PRODUCTION - March 1989

Dowty buys into computer brainwave

Innovative products cited in U.K.

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partitioning - The rack Solution

of partitioning large electronic racks using Interconnect stacks has been developed by Dowty Interconnect. A rack system, is described by Mike Anstey.

ERRENCE PREVIEW

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Space saving - 3-D modular connector system

Imagine a connector system that will allow you to put the contents of a single eurocard onto a pcb less than a quarter of the area; that makes parallel processing simple and faster; is easy to upgrade and add to; and finally that makes diagnostics and testing a doddle. These are some of the claims for Dowty Interconnect's Chiprack. Project manager Ron Wilkins see its potential as a follow on from traditional based products - "Industry has given engineers the chance to develop their own chips, now they have the possibility of designing their own chip computer using Chiprack." Chris Evans-Pughe went to Dowty Interconnect's London centre to find out more.

INTERCONNECTION

Chiprack has been slowly going through development since 1984. Inventor, Mike Anstey, introduced the system to Dowty who took up the idea for development. Anstey now works with Dowty on a consultancy basis and has developed a number of products for Dowty. The system is designed to be used in hotels, restaurants, and other public places. It allows users to interact with the system to view information, such as hotel room rates, restaurant menus, and more. The system is a major step forward in the development of interactive advertising technology.

Apr. 26, 1983