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PRODUCTS AND RESEARCH

"Some people's minds are constrained by ruts worn in over many years, but BD is able to let his imagination flow out over the vast alluvial plain of possibilities to find features that remain dry and untouched by other folks." **- David D. Burns - Independent Software Consultant**

Bridging Physical and Virtual Workspaces - Representing Our Desktop Piles	2005-Present
Books on Screens - Improving the Reader Experience	2005-Present
Interest-based Iterative Refinement of Search Results	2005-Present
Activity-centric Information/Knowledge Management	2004-Present
Voice Interface Ontology	2003-Present
Software Architectural Models - A taxonomy of common software architectures	2003-Present
Reinventing Software Engineering Education	2002-Present
Distributed Wireless Computing Components	2000-Present
3-D Stereoscopic High Resolution LCD Display	2002
Remote Wireless Equipment Diagnosis, Response, Commerce and Repair	2000-2001
Template-driven, Rules-based Agents	2000-2001
Wireless Equipment Monitoring	2000-2001
Wireless Display Server	2000-2001
XML, Java and Javascript, template-driven GUI framework for wireless devices	2000-01
XML Template-driven Display Engine	2000-01
Template-driven Workflow	1999-2001
Context-based Content Authorization/DBMS Field-level Security	1996-2001
Partner Relationship Management Processes and Methodologies	1996-2001
Sales, Marketing, Service, Order, Invoice, Billing and E-commerce Automation templates, rules	1996-2001
Template-driven Integration Servers – template-driven, multi-protocol, multi-data format integration platform (EDI, Mail, Fax, Print, ERP)	1998-2001
Web-based Secure Distributed Application Framework	1996-2001
Secure Object Query Engine	1996-2001
Java Display Engine	1996-2000
Performance-insulated Remote Monitoring	1995-1996, 2000-2001
Rules-based Management	1995-1996, 2000-2001
Rules-constrained Self-modifying Agents	1995-1996, 2000-2001
Policy-directed Agents	1995-1996, 2000-2001
AutoResolve – Policy-directed Autonomous Agents for Managing Service Levels for Electronic Commerce	1995-1996
Template-driven Graphical & Command Line User Interfaces	1993-2001
LaunchPanel	1995-1996
WebView – HTML-based Management Application Integration	1995
Autonomous Intelligent Agent – mobile active agent framework	1995-1996, 2000-2001
MIME-encoded Electronic Mail-based object and component distribution	1995-1996, 2000-2001
ManageFactory – Template-driven Code Generation for user interfaces, Agent components, Rules, Meta-data and protocols	1994-1999
Common Launch Library	1994-1995
Information-rich GUI paradigms	1994-1995
Telecollaboration for Management	1995-1996
ObjectLens – Rules-driven User Interface	1993, 2000-2001
Knowledge-based Management	1993, 1996, 2001
Digital Common Management Service API	1990-1996
Digital Common Data Dictionary	1990-1996
Digital CommonAgent – multi-protocol, multi-class, distributed agent platform	1992-1997
MIT Palladium Print System (joint venture: MIT/DEC/HP/IBM/Apollo)	1989-1990
Digital Distributed Object and Service Broker (co-author)	1986-1990
Digital Distributed Printing Framework and Protocols (co-author)	1986-1990