

IBM FileNet P8  
Version 5.2

*P8 Related Requirements*





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**Note**

Before using this information and the product it supports, read the information in "Notices" on page 21.

This edition applies to version 5.2.x of IBM FileNet P8 (5724-R76, 5724-R81, 5724-R74, 5724-R96, 5724-R81, 5724-R85, 5724-S13, 5724-S19, 5724-S17) and to all subsequent releases and modifications until otherwise indicated in new editions.

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## Introduction

You can dynamically generate up-to-date system requirement reports for P8 5.2 systems by using the IBM software product compatibility reports. This document provides information that supplements the software product compatibility reports.

Use either of the following options to access the software product compatibility reports:

- Navigate to the Product Documentation for FileNet P8 Platform support page. This page contains links to specific P8 5.2 reports.

<http://www-01.ibm.com/support/docview.wss?uid=swg27013654>

- Navigate to the Software Product Compatibility Reports and build your own customized reports.

<http://publib.boulder.ibm.com/infocenter/prodguid/v1r0/clarity/index.html>

**IMPORTANT** While IBM provides support for independent software vendor releases, versions, service packs and patches, IBM has no control over the content and cannot guarantee compatibility with IBM FileNet products. In addition, IBM can support these independent software vendor products only in accordance with the vendor's own product dependencies and support statements. Before you install or upgrade a particular version of a vendor product, review the related P8 planning information for any version-specific requirements.

## Legend

Due to space limitations, the tables and text in this document use the following product name abbreviations, or short names even if they are not official abbreviations. When a topic refers to all component products within the P8 family the term “P8” is used to refer to the entire product set.

Official Product name	Short Name	Abbreviation
Content Federation Services for IBM Content Integrator		CFS-ICI
Content Management Interoperability Services		CMIS
Content Platform Engine		CPE
FileNet Connectors for Microsoft SharePoint	SharePoint	SPC
FileNet eForms Designer	eForms Designer	eFD
FileNet Rendition Engine	Rendition Engine	RE
IBM Administrative Console for Content Platform Engine		ACCE
IBM Content Search Services	Content Search Services	CSS
IBM Enterprise Content Management Widgets in Business Space (or in IBM Mashups Center)	Widgets	WDGT
IBM FileNet Application Engine (includes Workplace)	Application Engine	AE
IBM FileNet Business Process Framework	Business Process Framework	BPF
IBM FileNet Case Analyzer	Case Analyzer	CA
IBM FileNet Content Engine	Content Engine	CE
IBM FileNet Deployment Manager	FileNet Deployment Manager	FDM
IBM FileNet eForms for P8	eForms	eForms
IBM FileNet Enterprise Manager	Enterprise Manager	EM
IBM FileNet Integration for Microsoft Office		FIMO
IBM FileNet Process Simulator	Process Simulator	PS
Process Engine Visio Connector		PE VC
Workplace XT		WPXT

## Associated documentation

See the following documents for related information about other IBM FileNet products that integrate with FileNet P8 Platform:

- IBM FileNet Capture Services, Hardware and Software Requirements
- IBM FileNet Image Services, Image Services Resource Adapter, and Print Hardware and Software Requirements

To access these documents, navigate to the following link, and then select the Image Manager Active Edition link. The Product Documentation for the FileNet Image Manager page contains links to the Product Documentation pages for both Capture and Image Services.

<http://www-01.ibm.com/support/docview.wss?uid=swg27010422>

The FileNet P8 product documentation is available in the IBM FileNet P8 Information Center and the IBM Content Foundation Information Center at:

<http://publib.boulder.ibm.com/infocenter/p8docs/v5r2m0/index.jsp>

<http://pic.dhe.ibm.com/infocenter/iconf/v5r2m0/index.jsp?topic=%2Fcom.ibm.p8toc.doc%2Fic-homepage.html>

To access information for IBM Cognos® Realtime Monitor, see

<http://publib.boulder.ibm.com/infocenter/cogic/v1r0m0/index.jsp>.

See the following for related information about the IBM Production Imaging Edition, which includes components of the IBM FileNet P8 Platform:

<http://www-01.ibm.com/software/data/content-management/production-imaging/>

See the following for hardware/software requirements for the IBM Content Navigator application which supports the IBM FileNet P8 Platform:

<http://www-01.ibm.com/support/docview.wss?uid=swg27036292>

See the following for hardware/software requirements for the IBM Content Collector application which supports the IBM FileNet P8 Platform and has replaced the Sharepoint Document Libraries Connector:

<http://www-01.ibm.com/support/docview.wss?uid=swg27040212>

## Contact customer support

For information about contacting customer support:

1. Navigate to the FileNet Product Family support page:  
<http://www.ibm.com/software/data/content-management/filenet-product-family/support.html>
2. Select the product of interest.
3. Search for a particular support topic under "Enter search terms", or use the other navigational aids on that page.

## Feedback

Your feedback helps us to provide quality information. Send your comments about this publication or any other IBM FileNet documentation by e-mail to [comments@us.ibm.com](mailto:comments@us.ibm.com). Be sure to include the name of the product, the version number of the product, and the name and part number of the book (if applicable). If you are commenting on specific text, include the location of the text (for example, a chapter and section title, a table number, a page number, or a help topic title).

## Development requirements

### Content Engine APIs

Scripting Language Support:

- The P8 CE APIs do not explicitly support being called from scripting environments.
- IBM FileNet product development does not test, certify, or document the use of scripting interfaces to P8 APIs. Rather, scripting environments are treated as simply another application layer above the APIs.
- To separate P8 API product integrity issues from specific scripting language and environment issues, IBM FileNet support can require suspected API problems to be reproduced with non-script calling code.

This requirement applies to both functional and performance issues.

- The use of JavaScript for the pre/post import scripts associated with a CE AddOn is still supported.
- Individual applications (for example, Enterprise Manager, Deployment Manager) can support scripting tools in various languages, independent of this statement concerning scripting the CE APIs.
- The use of JavaScript for Content Engine action handlers is supported as of the 5.1.0 release. This includes the following types of handlers: Synchronous Events, Asynchronous Events, Document Lifecycle Actions, Document Classification Actions, and Change Pre-Processor Actions.

### Content and Process APIs

- For EJB development, the P8 Platform supports only homogeneous application server environments between the client and the Content Platform Engine server. That is, the same application server vendor and version must run on both the client and the Content Platform Engine server.
- For clients running within Java EE application servers (including standalone Java clients using EJB transport), the JDK/JRE must be supported by the application server vendor.
- Supported JDK/JREs are
  - JDK/JRE 1.6.x and JDK/JRE 1.7.x are supported by both the Content and Process Java APIs.
  - Content and Process APIs support JDKs/JREs that are Java logo certified. JDKs/JREs must be entitled to use the "Java Compatible" logo, which means, among other things that they have passed Java Certification Kit (JCK) testing. See <http://www.java.com/en/about/brand/>. Exceptions include the GNU Compiler for the Java (GCJ), configured as the default Java environment on some Linux systems, is not Java Compatible and is not supported for use with P8.
- Refer to the following tech note for information on security warning messages when using Java applets with the FileNet P8 Platform:

<http://www-01.ibm.com/support/docview.wss?uid=swg21640073>

### Document standards

IBM FileNet Darwin Information Typing Architecture (DITA) Publishing uses the DITA Open Toolkit v1.5 to publish documents that are compliant with the DITA Language Specification v1.1. (Note that it does not



support all DITA Language Specification v1.2 features, so you must publish documents per the v1.1 specifications.) See the “Content Engine Development” guides in the Information Center for further information.

## Additional support statements

For third-party components, the appropriate vendors' support documentation should be reviewed to assure functionality and support. Refer to the [IMPORTANT](#) note in the Introduction for the IBM support statement for vendor products.

### Citrix

P8 5.2 with Citrix remote access products is supported with the following use-case exceptions:

- Installation of P8 software is not supported.
- Administration of Content Platform Engine via FileNet Enterprise Manager and process-related services are not supported. ACCE can be used to administer the P8 domain in a Citrix environment.
- Case Manager with Citrix remote access products is only supported for accessing Case Builder or Case Client on a browser running on a Citrix Desktop.

**Additional support statements — Federal Desktop Core Configuration (FDCC) and United States Government Configuration Baseline (USGCB)**

## Federal Desktop Core Configuration (FDCC) and United States Government Configuration Baseline (USGCB)

The tables in this section list the FDCC and USGCB client configurations that P8 clients support. Support is indicated by a check mark.

Tables in this section are arranged by:

- [Content Manager and Content Foundation](#)
- [Case Manager](#)
- [Case Foundation and other products](#)

### Content Manager and Content Foundation

Other table links: [Case Manager](#), [Case Foundation and other products](#)

	Content Manager and Content Foundation						
	AE 4.0.2	WPXT 1.1.5	EM 5.2	CFS-ICI Admin Client 5.2	FDM 5.2	FIMO 1.1.5	ACCE 5.2
<b>Microsoft Windows XP SPx FDCC</b> <i>Editions:</i> Professional <i>Minimum version:</i> SP2 <i>Bit:</i> x86, 32-bit deployment only	✓  Minimum AE 4.0.2-013	✓  Minimum WPXT 1.1.5-002	✓	✓	✓	✓  Minimum FIMO 1.1.5-005	✓
<b>Microsoft Windows Vista SPx FDCC</b> <i>Editions:</i> Business, Enterprise <i>Minimum version:</i> Base <i>Bit:</i> x86, 32-Bit and 64-Bit deployments	✓  Minimum AE 4.0.2-013	✓  Minimum WPXT 1.1.5-002	✓  32-bit only	✓	✓	✓  Minimum FIMO 1.1.5-005	✓
<b>Microsoft Windows 7 SPx USGCB</b> <i>Editions:</i> Professional, Ultimate, and Enterprise <i>Minimum version:</i> Base <i>Bit:</i> x86, 32-Bit and 64-Bit deployments	✓  Minimum AE 4.0.2-013	✓  Minimum WPXT 1.1.5-002	✓	✓	✓	✓  Minimum FIMO 1.1.5-005	✓

**Additional support statements — Federal Desktop Core Configuration (FDCC) and United States Government Configuration Baseline (USGCB)**

**Case Manager**

Other table links: [Content Manager and Content Foundation](#), [Case Foundation and other products](#)

	Case Manager 5.1.x	Case Manager 5.2
<b>Microsoft Windows XP SPx FDCC</b> <i>Editions:</i> Professional <i>Minimum version:</i> SP2 <i>Bit:</i> x86, 32-Bit deployments	✓	
<b>Microsoft Windows Vista SPx FDCC</b> <i>Editions:</i> Business, Enterprise <i>Minimum version:</i> Base <i>Bit:</i> x86, 32-bit and 64-bit deployments		
<b>Microsoft Windows 7 SPx USGCB</b> <i>Editions:</i> Professional, Ultimate, and Enterprise <i>Minimum version:</i> Base <i>Bit:</i> x86, 32-bit and 64-bit deployments	✓	✓

**Case Foundation and other products**

Other table links: [Content Manager and Content Foundation](#), [Case Manager](#)

	Case Foundation					Other products		
	CA Client 5.2	eForms Designer 5.0.3	eForms 4.0.2	PE VC 4.0.1	Process Applets 5.2	BPF 4.1.0	SPC Web Parts 2.2.2	WDGT 4.5.2.x
<b>Microsoft Windows XP SPx FDCC</b> <i>Editions:</i> Professional <i>Minimum version:</i> SP2 <i>Bit:</i> x86, 32-Bit deployments only	✓	✓ Minimum eFD 5.0.3-004	✓ Minimum eForms 4.0.2-014	✓	✓	✓ Minimum BPF-4.1.0-009	✓	✓ Minimum WDGT 4.5.2-003
<b>Microsoft Windows Vista SPx FDCC</b> <i>Editions:</i> Business, Enterprise	✓	✓ Minimum	✓ Minimum	✓	✓	✓ Minimum	✓	✓ Minimum

**Additional support statements — Federal Desktop Core Configuration (FDCC) and United States Government Configuration Baseline (USGCB)**

	Case Foundation					Other products		
	CA Client 5.2	eForms Designer 5.0.3	eForms 4.0.2	PE VC 4.0.1	Process Applets 5.2	BPF 4.1.0	SPC Web Parts 2.2.2	WDGT 4.5.2.x
<i>Minimum version: Base Bit: x86, 32-Bit and 64-Bit deployments</i>		eFD 5.0.3-004	eForms 4.0.2-014			BPF 4.1.0-009 32-bit only		WDGT 4.5.2-003
<b>Microsoft Windows 7 SPx USGCB</b> <i>Editions: Professional, Ultimate, and Enterprise</i> <i>Minimum version: Base Bit: x86, 32-Bit and 64-Bit deployments</i>	✓	✓ Minimum eFD 5.0.3-004	✓ Minimum eForms 4.0.2-014	✓	✓	✓ Minimum BPF 4.1.0-009 64-bit only	✓	✓ Minimum WDGT 4.5.2-003

NOTES

- For Internet Explorer (IE) the Content Platform Engine server URL must be listed in the Trusted Sites zone. FDCC security policies prevent clients from updating the Trusted Sites zone without administrative privileges.
- For Firefox the JRE must be enabled for the Mozilla family of browsers within the Java Control Panel. FDCC security policies can interfere with the ability to configure this setting without administrative privileges.

## IPv6

The tables in this section list IPv6 compliance. Support is indicated by a check mark.

Tables in this section are arranged by:

- [Content Manager and Content Foundation](#)
- [Case Manager](#)
- [Case Foundation and other products](#)

### Content Manager and Content Foundation

Other table links: [Case Manager](#), [Case Foundation and other products](#)

	Content Manager and Content Foundation							
	AE 4.0.2	CPE 5.2	WPXT 1.1.5	CSS 5.2	CFS-ICI 5.2	RE 5.2	Collab. Svcs	FIMO 1.1.5
IPv6 compliant	✓ Minimum AE 4.0.2-013	✓	✓ Minimum WPXT 1.1.5-002	✓	✓	Pending Vendor	✓	✓

### Case Manager

Other table links: [Content Manager and Content Foundation](#), [Case Foundation and other products](#)

	Case Manager 5.1.x & 5.2
IPv6 compliant	✓

**Case Foundation and other products**

Other table links: [Content Manager and Content Foundation](#), [Case Manager](#)

	Case Foundation			Other products		
	CA 5.2	eForms 4.0.2	PS 5.2	BPF 4.1.0	SP 2.2.2	WDGT 4.5.2.x
IPv6 compliant	✓	✓ Minimum eForms 4.0.2-014	✓		✓	✓ Minimum WDGT 4.5.2-003

NOTES

- The operating system level, the database level, the application server, JRE, cluster server software, and the browser version must be certified as IPv6 compliant by the vendor. Before planning a P8 IPv6 deployment, we recommend that you verify the IPv6 compatibility of each of the vendor’s products in your environment.
- P8 supports a dual-stack configuration. When configured appropriately, the products in the preceding “IPv6” table can run in any combination of IPv4 and IPv6.

## Load balancing

In general, the P8 Platform provides an infrastructure that can be leveraged by any high availability technology.

The P8 Platform supports any HTTP-based load balancing products with these exceptions:

- When using the EJB transport protocol, Content Platform Engine does not support the use of third-party load balancing products. Instead, Content Platform Engine achieves load balancing through the clustering technology built into the underlying application server.
- P8AE-4.0.2.x does not support directory security when using IIS as a proxy in front of WebSphere for Application Engine.
- Load balancing is not supported between the Content Platform Engine and the Content Search Services servers. Instead, the load balancing of CSS is handled by the Content Platform Engine directly. For example, if there are four CSS servers configured in the P8 domain, the Content Platform Engine ensures the workload is distributed evenly among the four CSS servers.
- Although Content Platform Engine to LDAP communication should work with most load balancing products that support TCP/IP and SSL over TCP/IP, the optimal configuration depends on the load balancing product and the application server that hosts Content Platform Engine. Consult the vendor of your load balancing product for configuration recommendations, and confirm the configuration in your environment by conducting a proof of concept or pilot project.
- IBM Case Manager 5.1 can achieve both load balancing and failover by fronting the Business Space (BSpace) application instances with a hardware or software-based load-balancing solution. Typically this would be either an IBM HTTP Server (IHS) or a hardware based device. Case Worker client connections require session persistence. This means that the load balancing mechanism must support session affinity or “sticky sessions”. This ensures that clients are always directed to the same BSpace instance resource initially chosen to receive the traffic.

IBM Case Manager 5.2 is integrated with IBM Content Navigator. Refer to the IBM Content Navigator installation documentation on configuring for high-availability:

<http://pic.dhe.ibm.com/infocenter/p8docs/v5r2m0/index.jsp?topic=%2Fcom.ibm.installingeuc.doc%2Faucde002.htm>

### NOTE

When reporting a software issue, you might be asked to reproduce the issue after temporarily disabling the load balancing technology.

## Proxy and firewall support

Proxy and firewall products must be HTTP 1.1 compliant.

# Application deployment notes

## Business Process Framework

For existing BPF customers, BPF 4.1.0 FP009 is supported with CPE 5.2.

## Business Process Manager

- IBM Cognos Business Intelligence (BI) minimum supported release version 10.1.1.
- IBM Cognos Real Time Monitor (RTM) minimum supported release version 10.1.1

## Case Manager

- Case Manager 5.1.1 FP002 adds support for Content Platform Engine 5.2.0 FP002 and later.
- Case Manager 5.2.0 is supported with Content Platform Engine 5.2.0 FP002 and later.
- Case Manager 5.2.0 FP001 is supported with Content Platform Engine 5.2.0 FP002 and Interim Fix 3 and later.
- Version 5.2.0.1 of the Case Manager Platform Installation Tool is available for download from Fix Central under Enterprise Content Management > Case Manager. For more information on this version, refer to the following technote:

<http://www.ibm.com/support/docview.wss?uid=swg27039397>

## Case Analyzer

- When the Case Analyzer database is on DB2 9.5, modifying the unique name of a Case Analyzer data field is not supported.

## CMIS for FileNet Content Manager

CMIS no longer ships as a standalone product; instead it is integrated with Content Navigator 2.0.2. To install CMIS, run the Content Navigator installer and select the CMIS option. For before performance, install CMIS on the Content Platform Engine server.

## Content Search Services

The following products require fix packs to support IBM Content Search Services:

- The minimum version is P8AE-4.0.2 FP13 for support with IBM Content Search Services 5.2
- The minimum version is FIMO 1.1.5.4 for support with IBM Content Search Services 5.2

## ECM Widgets

For existing customers, ECM Widgets 4.5.2 FP003 is supported with Content Platform Engine 5.2.

## eForms Support

### **P8 eForms 4.0.2 iSign(ink) feature adds support for specific vendor device software**

- Interlink ePad signature software device driver version 6.22.
- Topaz gem series signature software device driver version 3.61.
- Signotec Sigma sign pad.
- The generic WinTab API is no longer supported.
- Only supported on Internet Explorer.
- Tablet PC signing must be done using an external hardware device.

## FileNet Deployment Manager

FileNet Deployment Manager requires that both source and target object stores be the same version.

The Reassign Object Store Utility can be used to reassign an object store that does not contain a workflow region, from a pre-5.2 P8 domain to a P8 5.2 domain. When the object store is reassigned to the



P8 5.2 domain, it is upgraded automatically. Reassigning an object store that contains a workflow system, requires that the source and target environments are at the same P8 level.

## Records Manager and InfoSphere Enterprise Records

Records Manager and InfoSphere Enterprise Records do not support Content Platform Engine 5.2. Use IBM Enterprise Records 5.1.1 FP1 or later instead.

## IBM FileNet integration with Microsoft SharePoint

Sharepoint 2.2.2 supports Content Platform Engine 5.2

## Product and components collocation

Assuming a system is adequately sized, and unless stated otherwise by either IBM or a third-party vendor, IBM does not require that P8 be run in isolation of other P8 or third-party components. From an IBM perspective, exceptions to the aforementioned policy are listed below. For third-party components, review the appropriate vendor support documentation to assure functionality and support.

Unless otherwise stated, the term “collocation” refers to the same server instance. Partitioned or virtualized servers are considered stand-alone server instances.

### Application server collocation support

Deployments requiring multiple instances of a Java EE application server must be deployed using the same version and release of that particular application server.

The only exception to this rule is when ECM Widgets 4.5.2 is deployed, the application servers must be from the same software vendor and use the same major version as those used for Workplace XT and Content Platform Engine, but the application server levels can be different minor releases.

### Business Process Framework

- The Business Process Framework server must be collocated with Application Engine. The Business Process Framework server must be installed on the same server as your Application Engine and must be deployed in the same application server instance that your Workplace application is deployed; that is, both components share the same JVM. For example, when running in WebSphere, this means deploying into the same profile.
- Business Process Framework, Application Engine, eForms, and IBM Enterprise Records (IER) can all share the same JVM. If eForms integration is configured for BPF, then eForms must share the same JVM as BPF and AE. BPF has no integration with IER.
- The Business Process Framework server does not support Workplace XT or IBM Content Navigator.

### Content Process Engine

- All host machines within a single P8 domain must be either Windows-based or UNIX-based. P8 domains consisting of a mix of UNIX-based platforms and Windows-based platforms are not supported.
- Connections to remote file stores must use NFS for UNIX and CIFS for Windows.
- Content Platform Engine should be deployed in its own application server instance (that is, deployed into a single JVM). For example, if you are running WebSphere, this means you deploy into the application server running within a profile.

In a production environment, no other Java EE applications (except CMIS) should be deployed within this instance. Other Java EE applications may be deployed in their own, separate application server instances if the server is sized appropriately.

- The application server clustering technology can be used to create multiple server instances of Content Platform Engine providing a highly available and scalable solution. Application server clustering technology allows multiple JVMs to run as a single application that can be spread across multiple physical servers.
- If WebSphere Network Deployment (WAS ND) edition is used as the clustering technology, then other non-P8 applications can be deployed in the same ND deployment. However, if a non-P8 application requires an LDAP configuration that is different from the one needed by P8, then that non-P8 application cannot be in the same WAS ND installation as P8.

## Content Search Services (CSS)

Searching and index creation are resource-intensive operations. Assuming adequate system resources are available, multiple instances of Content Search Services (CSS) can be collocated on the same server.

## Case Analyzer and Process Simulator

P8 does not support collocating

- The Process Simulator server with Content Platform Engine in a production context.
- Simulation and production data in the same database.

## Application Engine and Workplace XT

- Workplace XT with Application Engine can be installed on the same physical server; however, they cannot be installed in the same application server instance.
- Except for the following exceptions, do not collocate other applications with Workplace XT or Application Engine:
  - IBM Enterprise Records
  - eForms
  - Case Management 5.1.x
  - In a Case Management 5.2 development environment, Workplace XT and IBM Content Navigator can be collocated, but this is not a supported configuration in any other environment
- Workplace XT and Application Engine do not share any configuration files, site preferences, or user preferences.
- Application Integration and File Tracker function properly only when used with the application from which they were installed; either Workplace XT or Application Engine. Workplace XT's version of the tools is mutually exclusive of Application Engine's version of the tools, so both sets of tools can be installed on the same desktop.

## Microsoft Office Integration Tools

- Collocation of FileNet Integration for Microsoft Office (FIMO), Application Integration for Microsoft Office, and Navigator Integration for Microsoft Office (NIMO) is not supported.
- FileNet Integration for Microsoft Office cannot be collocated with FileNet Enterprise Manager.

## eForms

- eForms works with Application Engine or Workplace XT and if Application Engine and Workplace XT are collocated, eForms must be installed on both applications.
- The eForms server must be collocated in the same application server instance as Workplace or Workplace XT; that is, both components must share the same JVM. For example, when running in WebSphere, this means deploying into the same profile.

## FileNet Collaboration Services

- FileNet Collaboration Services 2.0 can be located and deployed either on the same physical server as Application Engine or Workplace XT, or on a standalone server.
- FileNet Collaboration Services 2.0 can be run in the same application server instance as Content Platform Engine, but this is recommended only for non-production environments.

## Database collocation support

Content Platform Engine, Image Services, and CFS for IBM Content Integrator can share the same database server.

Image Services requires a database separate from each Content Platform Engine object store.

Revision table

Date	Description
May, 2014	Clarified the Workplace XT and Application Engine collocation requirements Documented the Case Analyzer limitations with DB2 9.5 Updated Process API Java support
January, 2014	Updated to include additional products that can be used in a P8 5.2 environment Removed reference to JDK 1.5 Added information about CMPIT 5.2.0.1 Updated Case Analyzer and Process Simulator collocation requirements
March 12 2013	Initial 5.2.0 version for data that cannot be hosted in Clearing House

## Notices

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This product incorporates technology covered by one or more of the following patents: U.S. Patent Numbers: 6,094,505; 5,768,416; 5,625,465; 5,369,508; 5,258,855.







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