
Controlling Design Variants Modular Product Platforms Hardcover

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Controlling Design Variants Modular Product

Benjamin Boretz, Robert Morris, and John Rahn, editors

methods In Anna Ericsson and Gunnar Erixon's Controlling Design Variants: Modular Product Platforms, reasons for industry's adoption of modular product architecture are summarized, demonstrating their benefits: The development of modular product designs results in many positive effects on the product range level A properly used modulariza-

Doctoral Dissertation - University

MODULAR PRODUCT PLATFORM DESIGN Doctoral Dissertation Katja Hölttä-Otto Modular product platforms, sets of common modules that are shared among a product family, can bring cost savings and enable introduction of multiple product variants quicker than without platforms In this thesis I show how to define common

FRAMEWORK OF A VARIANT MANAGEMENT FOR MODULAR ...

controlling a company's internal complexity [Baldwin and Clark 2006] The result is that the design of a modular product requires "expertise, coordination, efforts, time variants on module and product level without methodical support Missing considerations on variant decisions regarding:

Seminar Special-Topics Management Accounting Topic ...

'Controlling modular products and product platforms' Today companies are forced to be very competitive by offering a broad product variety to their customers while maintaining a cost efficient production A well-known example is the automotive industry which applies this idea through the modular design of

Chapter 4 Modular Function Deployment - Using Module ...

by a product type or industry, but also adaptable to strategies that evolve with product maturity and new market emergence Modular Function Deployment (Ericsson and Erixon 1999) is the method Modular Management uses to illustrate the relationship between product architecture and strategic objectives with the use of Module Drivers

PLM SUPPORT FOR DEVELOPMENT OF MODULAR PRODUCT ...

modular structures, supporting concurrent engineering, and managing the variants of systems, modules, and interfaces within a product family 11 Research Motivation There seems to be some key reasons for developing and describing an approach for using PLM systems ...

A MODULARIZATION APPROACH FOR AIRCRAFT CABIN ...

single product but multiple variants of the product have to be developed [10] Figure 1 Product-based and process-based strategies for controlling internal variety [10] The design of

GRAPH-BASED SIMILARITY ANALYSIS OF BOM DATA TO ...

this translates into approaches from the field of product family design such as standardization, modularization or the design of modular kits comprising platform-, modular- and product specific elements (Figure 1 (b)) (Jiao et al, 2007; Kreimeyer et al, 2014) Figure 1

Valve series

Controlling ESL valves Shut-off & separation Valves for protection Hygienic valves Actuator variants in modular concept, adapted to systems with a product pressure of 6 bar, 10 bar and 227 bar valves directly at the product area Design of the shaft seal and seal on the valve disk similar to the

Using effective methods to boost success

Best Practices in New Product Developmentpptx 1 1 April 2013 Using effective methods to boost success Best practices in new product development 2 "A4rb_Premium" -2012-02_v02 do not delete this text object! Speech Best Practices in New Product Developmentpptx 2 modular design 5 7

Modular design of windows and facades

Modular design of windows and facades Windows for any purpose - accomplished design of plastic, aluminium and wood windows using the modular system 1 Introduction What is modular construction? Imagine that your customer creates a window of his choice playfully, eg on the computer

Design for manufacturing and assembly/disassembly: joint ...

in nature and are differentiated by controlling the quality, quantity, and reliability of parts Therefore, design for disas- modular design for ease in handling and minimising variation in use of material (Zhang et al 1997; Agrawal considered to generate variants of the product in the future

Modular Music - JSTOR

methods In Anna Ericsson and Gunnar Erixon's Controlling Design Variants: Modular Product Platforms, reasons for industry's adoption of modular product architecture are summarized, demonstrating their benefits: The development of modular product designs results in many positive effects on the product range level A properly used modulariza

Scenario-based determination of product feature ...

Abstract: Modular product architectures are used by many firms today to achieve a high degree of product differentiation whilst reducing cost through economies of scale At the same time, the

Addressing the Change and Configuration Management ...

Addressing the Change and Configuration Management Imperative multiple product variants, based on modular product designs, can deliver a competitive C Generic Product Platform design Capture and manage a modular product architecture definition and the associated, detailed product

platform design as it is developed

Lexium 32i Integrated drives Motion control

The Lexium 32i product range of integrated drives is designed to simplify the life cycle of machines SoMove™ setup software simplifies initial startup The modular design speeds installation by reducing assembly time to as little as three minutes And, it makes maintenance easier, faster, and at lower costs, thanks to the new

Intelligent CST Drive Systems - Adobe

Modular Structure CST gearboxes have a modular structure and are made up of three units Thanks to this modular principle, identical supply and output units are used in all CST gearbox variants of the same parameter The design as an angular gearbox (bevel helical planetary gearboxes; short: KP gearboxes) or as planetary gearboxes

Speed Controlled Pump System - Moog Inc.

mOduArSystemfOrOptimizedperOrmAnceAndeAsiersetup The configuration of the Speed Controlled Pump System is flexible to meet unique customer requirements As Moog has the control over the design and manufacture of the key products in the system, the offering is based on a modular concept that allows a wide

Modular Crates •fi A Holistic Design Approach for ...

Modular design Modularity is achieved by standardising the modules/components and accomplishing the diver-sity of the product variety to satisfy the basic desired product function on the customer's demand Several researchers have proposed various ideas of modularization in various engineering applications