

USING ILOG CONFIGURATOR TO SOLVE BOM CONFIGURATION MANAGEMENT

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ABSTRACT

ABSTRACT THE MAIN OBJECTIVE OF THE STUDY IS WANTED TO BUILD A METHOD TO PROMOTE THE EFFICIENCY OF THE PRODUCT DATA MANAGEMENT AND TO AVOID THE PROBLEM IN THE MANAGEMENT OF CONFIGURATION IN THE TRADITIONAL. IN THE NEEDS, THE STUDY WILL USE TWO STRUCTURES TO HANDLE THE MANAGEMENT OF PRODUCT DATA. ONE OF THE STRUCTURES IS USED TO MANAGE THE DESIGN VARIATIONS OF PRODUCT AND THE OTHER IS USED TO MANAGE THE PHYSICALLY COMPONENTS OF PRODUCT. THE DESIGNER CAN SELECT THE DESIGN VARIATIONS THAT HE NEEDS FROM THE FIRST STRUCTURE AND THE DESIGN VARIATIONS WILL BE TRANSFORM TO SOME RESTRICTIONS IN THE ENGINEERING. AFTER WE OBTAIN THE RESTRICTIONS, WE CAN KNOW WHAT PHYSICALLY COMPONENTS OF PRODUCT FROM THE SECOND STRUCTURE WILL SATISFY THE NEED OF DESIGNER AND WE CAN GAIN A PRODUCT THAT WE WANT BY COMPOSING OF THESE COMPONENTS. WE CAN OBTAIN THE BENEFIT IN THE MANAGEMENT OF PRODUCT DATA AND QUICK RESPONSE OF THE CHANGE OF MARKET BY THIS WAY.

Keywords : CONFIGURATION MANAGEMENT、DESIGN VARIATIONS、ILOG、PRODUCT FAMILY ARCHITECTURE(PFA)

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