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Sommario/riassunto	This book explores methodologies and practical approaches for computer-aided invention processes, focusing on the synthesis of new

technical systems using artificial intelligence and decision-making theories. It emphasizes the importance of knowledge bases, physical effects, and heuristic procedures in designing innovative technical solutions. The work addresses challenges in problem-solving under conditions of uncertainty and dynamic environments, offering insights into decision support systems (DSS) and intelligent systems for strategic decision-making. The authors aim to reduce labor and time in routine design procedures, enhance invention efficiency, and support engineers and inventors with advanced computational tools. The intended audience includes researchers, engineers, inventors, and professionals in the fields of engineering, artificial intelligence, and technical system development.

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