1. Record Nr. UNINA9910777419703321 **Titolo** Review of the research program of the partnership for a new generation of vehicles: second report // National Research Council Pubbl/distr/stampa Washington, District of Columbia:,: National Academy Press,, 1996 ©1996 Descrizione fisica 1 online resource (128 p.) Disciplina 629.2072073 Soggetti Motor vehicles - Research - United States Automobiles - Energy consumption - Research - United States Automobile industry and trade - Government policy - United States Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references at the end of each chapters. Nota di contenuto REVIEW OF THE RESEARCH PROGRAM OF THE PARTNERSHIP FOR A NEW GENERATION OF VEHICLES; Copyright; ACKNOWLEDGMENTS; ACRONYMS; Contents; Contents; Highlights; 1 Summary; INTRODUCTION; PNGV RESPONSE TO THE PHASE 1 REPORT; GOALS 1 AND 2; MAJOR TECHNICAL BARRIERS AND ACHIEVEMENTS; Drivetrain Power Sources; Direct-Injection, Compression-Ignition Engines; Fuel Cells; Gas Turbine Engines; Energy Storage; Lightweight Structural Materials; Summary of Achievements; Summary of Technical Barriers; Recommendations; SYSTEMS ANALYSIS; Recommendations; FOREIGN TECHNOLOGY: Recommendation PROGRAM ORGANIZATION AND MANAGEMENTRecommendations: INFRASTRUCTURE; Recommendations; PARTICIPATION BY GOVERNMENT AGENCIES: NATIONAL COMMITMENT: FUNDING REQUIREMENTS: Recommendation: TIMELY CORRECTION OF PROGRAM DEFICIENCIES: PEER REVIEWS OF THE PNGV; REFERENCES; 2 Introduction; REFERENCES; 3 PNGV Response to the Phase 1 Report; REFERENCES; 4 Goals 1 and 2; GOAL 1: GOAL 2: ISSUES: 5 Structural Materials: THE PNGV APPROACH: MATERIALS OPTIONS: Steel: Aluminum: Composites: ISSUES: RECOMMENDATIONS; REFERENCES; 6 Powertrain Developments;

POWERTRAIN TECHNOLOGIES BEING STUDIED

KEY TECHNOLOGY SUMMARIESFour-Stroke Direct Injection

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