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Nota di contenuto	Copper in the Automotive Industryh; Contents; Preface; 1 Raw Material Resources; 1.1 Primary Raw Materials [1]; 1.2 Availability; 2 Production; 2.1 From Ore to Copper Concentrate [1, 4]; 2.2 From Copper Concentrate to Refined Copper [1, 4]; 2.3 Secondary Copper Production; 2.4 Energy Consumption [12]; 2.5 Recycling [8-10]; 2.6 Environmental Protection [12]; 3 Classification of Copper Materials; 3.1 Wrought Copper Materials; 3.1.1 Copper [1, 14]; 3.1.2 Low Alloyed Wrought Copper [14, 15]; 3.1.3 Wrought Copper-Zinc Alloys [14, 16]; 3.1.4 Wrought Copper-Tin Alloys [14, 17]; 3.1.5 Wrought Copper-Nickel Alloys [14, 18]; 3.1.6 Wrought Copper-Nickel-Zinc Alloys [14, 19]; 3.1.7 Wrought Copper-Aluminum Alloys [14, 20]; 3.2 Copper Casting Materials; 3.2.1 Copper and Copper-Chromium Casting Materials [1, 21]; 3.2.2 Copper-Zinc Casting Alloys [16, 21]; 3.2.3 Copper-Tin Casting Alloys [21, 22]; 3.2.4 Copper-Tin-Lead Casting Alloys [21-23]; 3.2.5 Copper-Aluminum Casting Alloys [20, 21]; 3.2.6 Copper-Manganese-Aluminum and Copper-Nickel

Casting Alloys [18, 21]; 3.3 Composites; 3.4 Powder Metallurgical Materials [24]; 4 Wrought Copper Materials [14]

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Sommario/riassunto

A comprehensive and substantial source of information on the properties, production, processing and applications of copper and copper alloys, of interest to metallurgical, development, design and testing engineers in the automotive and other industries using copper. The authority behind this book - the German Copper Institute - was founded in 1927 and is the technical-scientific advisory center for all questions concerning applications and the processing of copper and copper alloys in Germany. For more than 75 years, the technical scientific advisory and information service of the institute
