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Nota di contenuto	Cover; Title Page; Copyright Page; Preface; Sponsors and International Steering Committee; TABLE OF CONTENTS; Casthouse Safety Improvements - Boyne Smelters Limited; Recent Technological Developments; Improvements & Innovations in Cast Houses at Hindalco; Casthouse Upgrade at Bayside Aluminium - From the Manual 1970's to the 21st Century-; Refractory Selection, Use and Performance; Multi Chamber Melting Furnaces for Recycling of Aluminium Scrap A Look at the History and Some Recent Developments in the Use of Electromagnetic Devices for Improving Operational Efficiency in the Aluminium Cast House Development of Refractory Linings in the Holding Furnaces at Tomago Aluminium; Improvements in Casthouse Processing Using In-Furnace Refining Systems; Effects of Decoating on the Fluidity and Aluminum Recovery in UBCs Recycling; Recent Trends in Aluminium Recycling; Cast House Safety Progress (abstract only); Optmising the Cost of Grain Refinement by Separate TiB2 and Ti Additions to Wrought Aluminium Alloys

Influence of AlTiB Master Alloy Type and Casting Conditions on Grain Refinement of Aluminium Alloys Recent Advances in Understanding the Eutectic Solidification in Al-Si Foundry Alloys; High Performance Metal Delivery Systems TM Provide Rapid Payback; Aluminium Cast House Concept for XXI Century; Commissioning of a Vertical Direct Chill Caster for Production of Magnesium Extrusion Billet and Slab; The Investigation Into Kinked Sheet Ingot Butts at an Alcan Casthouse; Application of Mathematical Models to Optimisation of Cast Start Practice for DC Cast Extrusion Billets
Modelling of Hot Tearing in Aluminium DC Casting - Presentation of a European Collaborative Project -Experimental Description and Process Simulation of Direct Chill (DC) Casting of Aluminum Alloys; Experience with Automation and the Introduction of Casting and Degassing Technology for Improved Productivity, Product Quality and Safety at Comalco Bell Bay's VDC4 Facility; Mathematical Modelling of Ingot Caster Filling Systems; The Effect of Phosphorous on Horizontal Continuous Casting of Strontium Modified Silicon Alloy Based Upon Casting Experience at Bayside Aluminium South Africa
Wagstaff Epsilon™ Ingot Casting Technology: Ingot Characteristics and Metallurgical Structure The Properzi Method for Producing Primary or Secondary Aluminium Ingots; 23kg Remelt Ingot Productivity, the Aspects of Mould Life and Heat Transfer; Continuous Casting and Thixoforming of Semisolid Aluminum Alloys; Cost Reduction and Saving; Cleanliness of Primary A356 Alloy: Interpretation and Standardisation of PoDFA Laboratory Measurements; The Integration of Automatic Loading into an Ingot Casting Facility; Author Index
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Sommario/riassunto