

## 資料室だより

## BISI Translation 紹介

— No. 73 —

## BISI Translation の特長

英国鉄鋼業界、BISRA および The Metals Society は共同で BISI を運営しています。この BISI は BISI Translations を発行しています。BISI Translations は世界各国（英米語を使用する以外の国）の主要鉄鋼誌および学術誌のうち主要論文を全文英訳したものです。これらの論文は、世界各国が発刊する多数の Journals から選択されており、鉄鋼関係の研究者向けの論文を網羅しています。

またこの翻訳論文の刊行準備のできたものの Title, Abstract および出典について Translations Available (Weekly) が刊行されたり、また Ironmaking and Steelmaking に掲載され、事前にどんな論文が出るかわかるようになっていきます。

BISI Translations を利用すれば英国米国、以外の主要製鉄国の主要論文をきわめて容易に知ることが可能で、これによる時間的利得は非常に大きいと考えられます。

資料委員会では 1965 年より業界の協力のもとに共同購入してまいりました。

次に列記いたしました Title は最近入手したものです。複写は禁止されておりますので閲覧のみに限ります。

“資料室だより”の別刷ご希望の方は調査課までご連絡下さい。無料でさし上げます。Tel. (279) 6021

BISI Translations List Nos. 811~815

**Management Planning and Control**

BISI 14841 (A. Hadenfeldt)

Market prospects for heat pumps.

[Elektrowarme Int. 1976, 34 (A2) 86-92] (G)

BISI 14354 (H. Fricke)

Control of large-scale projects with modern planning methods.

[Kolloquium anlässlich der Fachtagung Demag-Hüttentechnik auf der Hannover Messe., Demag-Centre, 27th April, 1973] (G)

**Physical Structure of Materials and Crystallography**

BISI 14364 (V. Ya. Sedush and V. G. Attaryan)

Deformability of the hot metal and the marking force during marking.

[Izv. VUZ Chern. Met., 1976, (2), 87-91] (R)

BISI 14365 (G. L. Kolmogorow et al.)

Blastic tool deformation allowance for drawing in the hydrodynamic friction.

[Izv. VUZ Chern. Met., 1976, (2) 92-95] (R)

BISI 14536 (T. N. Popova)

Poor ductility steel rods warm drawn with induction heating.

[Stal' 1976 (4) 351-353] (R)

BISI 14540 (A. A. Lykasov, et al.)

Thermodynamics of solid solutions of cobaltous oxides and wustite.

[Izv. VUZ Chern. Met., 1976, (4), 13-16] (R)

BISI 14548 (A. V. Anashkin and R. K. Vedernikov)

Investigation of the cold upsetting of a re-strained cylinder report (2).

[Izv. VUZ Chern. Met., 1976, (4), 81-85] (R)

BISI 14555 (Yu. I. Sinelnikov)

Theory of the calculation of the deformation zone parameters by the static moments method.

[Izv. VUZ Chern. Met. 1976, (4), 120-123] (R)

BISI 14696 (P. Romvari and L. Toth)

The effects of plate thickness, composition and cold forming on the brittle transition temperature of mild steels.

[Bany. es Koh. Lapok (Kohaszat), 1976, 109, (3), 97-101] (H)

BISI 14659 (V. A. Tatarchenko)

Capillary formation of shape in the solidification of molten metal (Report 1)

[Izv. VUZ Chern. Met., 1976, (5), 145-148] (R)

**Physical Metallurgy and Metallography**

BISI 14544 (V. I. Baptizmanskii et al.)

Micro-probe examination of non-metallic inclusions in rail steel cast under exothermic slag mixtures.

[Izv. VUZ Chern. Met. 1976, (4), 54-59] (R)

BISI 14660 (V. K. Lobanov, et al.)

Research into structural and phase changes in high-strength iron dies.

[Izv. VUZ Chern. Met., 1976, (5), 164-168] (R)

BISI 13746 (D. Horstmann)

The course of reactions between iron and zinc.

[Gemeinschaftausschuss Verzinken e.V., Dusseldorf, 1974, 72 pp.] (G)

BISI 14564 (V. Zabavnik and V. Karel)

Investigation of changes in the  $\epsilon$ -phase of the nitrided layer.

[Neue Hütte, 1974, 19, (2), 108-110] (G)

BISI 14404 (Z. Krhutova, et al.)

A new method for quantitative evaluation of two-phase structures.

[Hutnicke listy 1975, (11), 800-804] (C)

BISI 14557 (L. G. Zhuravlev, et al.)

Austenite stabilization in alloys with isothermal and athermal martensite transformation kinetics.

[Izv. VUZ Chern. Met., 1976, (4), 138-140]

(R)

BISI 14674 (P. Wyslych, et al.)

The effect of dislocations on the redistribution of carbon atoms during the aging of martensite. [Kovove Mat., 1976, (1), 18-29] (C)

BISI 14754 (H. I. Malik)

Effect of silicon on the pearlite growth in eutectoid steels. [Arch. Eisenhüttenwes., 1976, 47, (7), 453-454] (G)

**Physical Properties and Chemical Analysis**

BISI 14558 (G. S. Ershov and A. A. Kasatkin)

Influence of alloying elements on the viscosity of liquid iron and steel. [Izv. VUZ Chern. Met. 1976, (4), 141-146] (R)

BISI 14560 (Yu. M. Pogosbekyan and Ya I. Medveden)

A method of calculating the amount of gases in the atmosphere in foundry pouring departments. [Izv. VUZ Chern. Met. 1976, (4), 152-156] (R)

BISI 14531 (V. Enenkl et al.)

Heat flow in the surface layer of an ingot mould, and its effect on the temperature field in ingot mould walls as time passes. [Stal', 1976, (4), 312-314] (R)

BISI 14561 (A. F. Mysik et al.)

Calculating the temperature fields in layers taking transverse thermal conductivity into account.

[Izv. VUZ Chern. Met. 1976, (4), 157-161] (R)

BISI 14651 (A. N. Sementsov, et al.)

On the non-uniformity of heat extraction in thick walled moulds.

[Izv. VUZ Chern. Met., 1976, (5), 64-66] (R)

BISI 14653 (I. G. Astakhov, et al.)

Temperature field and resistance to deformation with stepwise loading on the plastometer. Communication 1.

[Izv. VUZ Chern. Met., 1976, (5), 92-95] (R)

BISI 14673 (J. Kriz, and S. Jira.)

Determining the ferromagnetic phase in austenitic steel by measuring magnetic polarization. [Kovove Mat., 1976, (1), 62-72] (C)

BISI 14298 (G. Jecko and A. Matraski)

The irsid non-metallic specimens, part 2, arrangement of the standardization system. [Rev. Met., 1973, 70, (6), 437-460] (F)

BISI 14684 (I. Kokoska)

Determining the degree of crease pollution on metallic surfaces. [Strojirenstvi, 1975, (10), 615-617] (C)

BISI 14842 (H. Schliesing and K. Soldner)

The technique of analysing gases which are dissolved in transformer oil and which collect in buchholz relays.

[Elektrizitatzwirtschaft, 1976, 75, (8), 195-200] (G)

**Mechanical Properties and Material Defects**

BISI 14545 (A. S. Drobyshevskii and A. I. Stroganov)

The optimum experiment planning method

used for studying the distribution of impurities when metal is held in the ladle.

[Izv. VUZ Chern. Met., 1976, (4), 59-64] (R)

BISI 14559 (A. E. Krivosheev et al.)

The ultrasonic method used for investigating the solidification of roll irons.

[Izv. VUZ Chern. Met., 1976, (4), 147-151] (R)

BISI 14264 (H.-A. Stelling and K. Buttner)

Analysis of the factors affecting the determination of the equivalent defect size of real weld defects.

[Verein Deutscher Eisenhüttenleute Fachauschussbericht 6,002, 135-153] (G)

**Corrosion and Corrosion Testing**

BISI 14585 (H. Kolb)

Electrochemical investigation of the effect of nitrate and nitrite on the initial rest potentials and the short circuit current for the iron/tin cell in fruit acids and juices.

[Werkstoffe und Korrosion, 1976, 27, (1), 10-16] (G)

BISI 14675 (D. Knotkova, and V. Marek)

Corrosion of low-alloyed steels in polluted atmospheres.

[Koroze a Ochr. Mat., 1975, (3), 45-49] (C)

BISI 14679 (Z. Demcik)

Corrosion behaviour of internal surfaces of gas conveying and storing equipment.

[Plyn, 1976, (3), 71-74] (C)

**Protection of Materials**

BISI 14682 (Z. Cyrus)

Decorative protective plating of steel.

[Strojirenstvi, 1975, (10), 594-596] (C)

BISI 14690 (J. Buza, et al.)

The effect of the microgeometry of a grit-blasted sheet surface on the adhesion of hot sprayed aluminium coatings.

[Hutnicke Listy, 1976, (1), 27-34] (C)

BISI 14556 (V. M. Tupilko, et al.)

Influence of microalloying on hydrogen embrittlement of rapidly cooled wire rod for cable manufacture during pickling.

[Izv. VUZ Chern. Met., 1976, (4), 131-133] (R)

**Rolling**

BISI 14230 (V. I. Korolev and V. I. Shiryaev)

Effect of the nut shape on load distribution over the height of the screw pair of the screw-down device.

[Izv. VUZ Chern. Met., 1975, (12), 159-163] (R)

BISI 14366 (Kh. M. Saprygin, and A. A. Slinko)

Investigation of the roll pressure and torques during the rolling of wedge-shape sections.

[Izv. VUZ Chern. Met., 1976, (2), 98-101] (R)

BISI 14474 (I. G. Getiya and V. I. Shumilin)

Theoretical investigation of the continuous rolling process by the plastic flow method.

[Izv. VUZ Chern. Met., 1976, (3), 82-86] (R)

BISI 14490 (C. Wagner)

Technical and economic possibilities of manufacturing steel slabs by the casting and rolling

- of ingots, with special reference to operational processing costs.  
[Stahl Eisen, 1975, (15), 697-701] (G)
- BISI 14528 (F. Kusters)  
The roughing pass and continuous milling parts I and II.  
[Kleppzig Fach., 1974, 82, (3), 93-98, (5), 161-165] (G)
- BISI 14539 (L. S. Rudnitskii et al.)  
Investigation of wear on the surface of double-pour works rolls in a continuous hot strip mills.  
[Stal', 1976, (4), 365-367] (R)
- BISI 14549 (Yu. Zhelezov et al.)  
Approximated determination of the transfer function on continuous rolling mills.  
[Izv. VUZ Chern. Met., 1976, (4), 86-89] (R)
- BISI 14552 (K. I. Litvinov and V. K. Smitnov)  
Determination of the deformation and power and force parameters during the rolling of a round strip in an oval pass.  
[Izv. VUZ Chern. Met., 1976, (4), 102-106] (R)
- BISI 14553 (V. K. Smirnov et al.)  
Specific pressure and deformation moment during rolling in simple shape passes.
- BISI 14554 (V. B. Lyashkov et al.)  
Research into the contact stresses when clad metals are rolled with tensioning.  
[Izv. VUZ Chern. Met., 1976, (4), 116-119] (R)
- BISI 14580 (A. Lederer)  
State of development of hot wide strip mills (2).  
[Bander Bleche Rohre, 1975, 16, (7/8), 286-291] (G)
- BISI 14599 (M. Bauer, and R. Ewers)  
Computation of the productivity of tandem cold rolling mills.  
[Stahl Eisen., 1976, 96, (8), 386-391] (G)
- BISI 14632 (M. V. Pridantsev)  
Specialization of continuous wide hot strip mills.  
[Stal', 1976, (5), 422-423] (R)
- BISI 14633 (Yu. D. Zhelezov et al.)  
Control of the finishing group of a wide-strip mill with the use of UVM.  
[Stal', 1976, (5), 424-428] (R)
- BISI 14634 (N. I. Sheftel, et al.)  
Turned and polished 60s 2A steel rod quality parameters and production efficiency.  
[Stal', 1976, (5), 428-430] (R)
- BISI 14635 (V. N. Grinavtsev et al.)  
Use of a fixed rolled cassette for rolling H-beams on a 650 mill.  
[Stal', 1976, (5), 432-434] (R)
- BISI 14636 (P. I. Polukhin, et al.)  
Ways of raising the accuracy of hollows when piercing in a three-roll mill.  
[Stal', 1976, (5), 422-445] (R)
- BISI 14637 (Yu. F. Shevakin, et al.)  
The lives of horse-shoe and half-ring cold tube rolling mill passes.  
[Stal', 1976, (5), 445-446] (R)
- BISI 14642 (N. G. Kuznetsov, et al.)  
Industrial trials of a machine for removing sludge from horizontal settlight tanks.  
[Stal', 1976, (5), 474-475] (R)
- BISI 14654 (V. K. Vorontsov, et al.)  
Experimental-calculating methods of solving the problem of plastic flow in cross-helical rolling.  
[Izv. VUZ Chern. Met., 1976, (5), 96-100] (R)
- BISI 14657 (A. P. Kolikov, et al.)  
Investigation of the tool life in high-temperature helical rolling.  
[Izv. VUZ Chern. Met., 1976, (5), 125-128] (R)
- BISI 14685 (I. Kasik, and S. Antalovsky)  
Contribution to mathematical statistical evaluation of the service life of rolls for cold-rolling mills.  
[Strojirenetvi, 1976, 26, (1), 27-33] (C)
- Metalworking, Excluding Rolling**
- BISI 14508 (W. Schmidt and P. Schaferdieck)  
The hoesch polystal pipe system : A contribution to the design of future local supply systems.  
[Estel-Hoesch Hoogovens, 1976, (1), 14-16] (G)
- BISI 14537 (S. I. Pozdnyakov, and A. V. Nerdov)  
Determining the delivery of pressure tubes.  
[Stal', 1976, (4), 353-354] (R)
- BISI 14681 (K. Vesely, and P. Jurečka)  
Experimental investigation of temperature drop on the rolling of pipes on a 4 "to 10" stiefel mill.  
[Sbornik VSB Ostrava, 1975, 21, (1), 113-125] (C)
- BISI 14747 (M. Prohaszka)  
Wall thickness variation of reduced tubes.  
[Bany. Koh. Lapok (Kohaszat) 1976, 109 (4), 148-155] (H)
- BISI 14811 (J. Gocal)  
Material heat waste on the outer pipe surface and its possible reduction.  
Hutnicke listy 1976, (5), 327-332] (C)
- BISI 14512 (Societe Lorraine de Laminage Continu)  
Steel sheet for deep or extra-deep drawing and process for obtaining such a sheet.  
[Belgian Patent 835 187 : 1.3, 1976]
- BISI 14547 (V. K. Vorontsov et al.)  
Formulation and solution of the three-dimensional plastic flow problem via experimental mechanics methods. Report (3).  
[Izv. VUZ Chern. Met., 1976, (4), 75-80] (R)
- BISI 14748 (J. Toth)  
Examination of the modern ductility characteristics ( $r$ ,  $n$  and  $T$ ) of cold rolled sheets.  
[Bany Koh. Lapok (Kohaszat), 1976, 109 (4), 145-147] (H)
- BISI 14551 (Yu. S. Zykov)  
Drawing under mixed friction conditions.  
[Izv. VUZ Chern. Met., 1976, (4), 98-101] (R)
- Steels and Alloys (Technical Application and Methods of Production), Cermets**
- BISI 14224 (V. R. Baraz, et al.)  
Structural features and stress relaxation in austenitic chromium-nickel steel.

[Izv. VUZ Chern. Met., 1975, (12), 102-105] (R)

BISI 14622 (H. Brandis et al.)

Corrosion behaviour of high chromium ferritic stainless steel XI CrNiMoNt 2842 (Remanit 4575)

[TEW Tech. Ber., 1976, 2, (1), 14-18] (G)

BISI 14698 (J. Zambo)

Production technology of thick plates with reduced pearlite content.

[Bany. es Koh. Lapok (Kohaszat). 1976, 109, (3), 113-120] (H)

BISI 14606 (H. Brandis, and F. Schubert)

The effect of chemical composition on creep-rupture behaviour of high-temperature precision-cast nickel alloys at 900-1050°C.

[Arch Eisenhüttenwesen, 1976 47 (1) 39-44] (G)

### Casting and Cast Metals

BISI 14480 (A. S. Chelushkin and A. S. Goryukhin)

The oretical analysis of the core distortion conditions during the casting of hollow blades.

[Izv. VUZ Chern. Met., 1976, (3), 165-168] (R)

BISI 14481 (S. S. Shipindier, et al.)

Processes in ceramic cores during pouring of hollow castings.

[Izv VUZ Chern. Met., 1976 (3), 169-172] (R)

BISI 14624 (L. Pochmarskii and H. Hiebler)

Study of fully killed ingots with a view to reducing their standing time in ingot moulds and soakers.

[BHM., 1976 (5) 172-179] (G)

BISI 14662 (A. M. Petrichenko and Z. Kh. Gizer)

Gating systems for chill-casting of thin-walled iron casting.

[Izv. VUZ Chern. Met., 1976, (5), 172-177] (R)

BISI 14669 (E. Bernart and I. Bernart)

The controlled filling of the mould in the continuous casting of steel.

[Hutnicke Listy, 1976 (3), 164-169] (C)

BISI 14687 (J. Nemeč)

One of the solutions of the heuristic process of production planning in a steel foundry.

[Slevarenstvi, 1975, (9), 353-357] (C)

BISI 14688 (J. Exner)

Methodology of determining the thermal and physical properties of moulding and core mixtures.

[Slevarenstvi 1975 23 (9) 373-376] (C)

BISI 14700 (Gy. Szege)

Precision casting research.

[Bany. es Koh. Lapok (Ontode), 1976, 27, (3), 63-66] (H)

BISI 14716 (W. Haumann, et al.)

Studies on the solidification of the core of killed steel ingots.

[Arch. Eisenhüttenwes 1974 45 (6) 353-359] (G)

BISI 14689 (L. Bechny and L. Konecny)

Contribution to the possible ways determining

some cast iron properties by means of the cooling curves.

[Slevarenstvi 1975 23 (10) 410-414] (C)

BISI 14853 (Verein Deutscher Giessereifachleute)

Welding of malleable cast iron.

[VDG Merkblatt N 70 October 1965] (G)

BISI 14371 (I. E. Lev et al.)

Micro-distribution of silicon and copper in alloy magnesium iron and the effect on it of heat treatment.

[Izv. VUZ Chern. Met., 1976., (2), 137-139] (R)

### Heat Treatment

BISI 14444 (M. Kretschmer)

The manganese-silicon-nitrogen phase and its influence on methods of determining nitrides.

[Arch. Eisenhüttenwes., 1976, 47 (1) 15-19] (G)

### Heating, Heating Furnaces and Electric Heating

BISI 14494 (R. Barteček and I. Chmelar)

Manufacture of heavy forging ingots by electroslag remelting.

[Zvaranie, 1976, (1), 21-26] (C)

### Fuel, Combustion and Refractories

BISI 14386 (G. I. Gurevich, et al.)

High-productivity, high-temperature radiation-convection recuperator.

[Stal', 1976, (2), 187-188] (R)

BISI 14586 (D. W. Van Krevelen, et al.)

The fluidity of undecomposed coal.

[Chimie et Industrie, 1958, 80 (3) 234-239] (F)

BISI 14666 (B. Šplíchal)

Coke manufacture/dust iron melting in a cupola furnace system. part 1.

[Hutn. listy, 1976, (2), 83-88] (C)

BISI 14695 (B. Šplícha)

Production control and organization of coking plants.

[Hutnicke Listy 1976 31 (1) 4-6] (C)

### Welding and Joining

BISI 14367 (V. L. Kolmogorov et al.)

Calculation of the strength of the joint during the combined deformation of similar metal.

[Izv. VUZ Chern. Met., 1976, (2), 102-106] (R)

### Ores and Minerals Handling and Refinement

BISI 14445 (H. Beer et al.)

New developments in sintering iron ore.

[Stahl u. Eisen 1976 96 (7) 301-308] (G)

BISI 14529 (A. S. Maksimenko, et al.)

Drying and heating of iron-ore pellets in a fixed bed and their metallization in a fluidized bed.

[Stal', 1976, (4), 293-296] (R)

BISI 14533 (A. V. Aleksandrov)

Basic trends in the planning of lime shops.

[Stal', 1976 (4) 316-318] (R)

BISI 14542 (G. G. Efimenko, et al.)

Investigation of the metallization process of ore-coal pellets during firing in a bed.

[Izv. VUZ Chern Met., 1976 (4) 32-34] (R)

BISI 14543 (I. A. Kopyrin, et al.)

Role of porosity in the strengthening of iron ore pellets.

[Izv. VUZ Chern. Met., 1976, (4), 40-43] (R)  
 BISI 14626 (S. G. Bratchinko and B. Sh. Statnikov)  
 Investigation of pellet-cooling efficiency on  
 strand machines.

[Stal', 1976 (5) 389-393] (R)

BISI 14627 (G. B. Beremblyum et al.)

Investigation of ignition-hood operation on sin-  
 tering machine with a sintering area of 252/  
 312m<sup>2</sup>.

[Stal', 1976 (5) 398-400] (R)

BISI 14646 (A. N. Pokhvisnev, et al.)

Aerodynamics of the process of sintering mixes  
 under pressure (Communication 1).

[Izv. VUZ Chern. Met., 1976, (5), 26-30] (R)

BISI 14647 (A. N. Pyrokov, et al.)

Metallurgical properties of sinters from lisakovka  
 gravity-magnetic concentrate.

[Izv. VUZ Chern. Met., 1976, (5), 33-36] (R)

BISI 14708 (F. U. Popov, et al.)

Rationalizing the dimensions of an iron mill.  
 [Gornyi Zhurnal, 1975, 151, (2), 60-61] (R)

### Ironmaking and Ferro-Alloys

BISI 13724 (T. Kootz)

Reduction of silicon in a blast furnace.

[Hutnik (Katowice), 1973, 40, (2), 1-6  
 (Condensed)] (Po)

BISI 14432 (I. Kjellman)

Some experiences with alkali-rich furnace char-  
 ges.

[Jernkont. Ann., 1974, 158, 39-49] (Sh)

BISI 14530 (Ya P. Kalugin et al.)

Operation experience with a ceramic burner on  
 a hot-blast stove.

[Stal', 1976 (4) 303-304] (R)

BISI 14603 (A. Gevaudin)

Industrial use of the IWS process at the longway  
 works of the societe hauts fourneaux de la chiers.

[Rev. Met., 1975, 72, (6), 493-498] (F)

BISI 14629 (V. K. Didkovskii, et al.)

Production technology and use of a converter  
 flux.

[Stal', 1976, (5), 410-412] (R)

BISI 14672 (J. Vesely)

Accompanying elements in raw materials and  
 waste in ironmaking.

[Hutnicke Listy 1976 (4) 287-292] (C)

BISI 14742 (R. Degravè)

Formed coke and its use in blast furnaces.  
 ILAFA, Mexico Conference Proceedings, 1976,  
 251-260] (Sp)

### Steelmaking

BISI 14208 (V. A. Denisov, et al.)

Saturation of the metal with gas when the bath  
 of an oh-furnace is lanced with an oxy-gas  
 flame.

[Stal', 1975, (12), 1093] (R)

BISI 14429 (J. Schoop, et al.)

Industrial results of the use of E. M. F. measure-  
 ments in the LD process.

[Stahl Eisen, 1976, 96, (7-8), 309-315] (G)

BISI 14562 (K. A. Shtets et al.)

Calculating the iron content of the solid ox-  
 idants contained in the metallics of the steel-  
 making charge.

[Izv. VUZ Chern. Met. 1976 (4) 182-185] (R)

### Extraction and Refining

BISI 14469 (B. P. Chumakov et al.)

Investigation of the influence of argon con-  
 sumption on the mass of the moving metal layer  
 in the vacuum chamber during steel treatment  
 by the circulation method.

[Izv. VUZ Chern. Met., 1976, (3), (3), 45-49]  
 (R)

BISI 14628 (V. V. Polyakov et al.)

The effect of vacuum treatment of basic oxygen  
 furnace steel on the quality of continuously  
 cast billets and rails.

[Stal', 1976 (5) 408-410] (R)

BISI 14649 (B. P. Chumakov, et al.)

Effect of movement by molten metal on the  
 removal of oxygen during the vacuum treatment  
 of steel.

[Izv. VUZ Chern. Met., 1976, (5), 54-59] (R)

BISI 14471 [A. M. Yakushev and V. V. Popravko]  
 Viscosity of refining slags with thinning addi-  
 tions.

[Izv. VUZ Chern. Met., 1976, (3), 59-62] (R)

BISI 14506 (R. Jilek, et al.)

Some properties and development of a cultiva-  
 ted biological sorbent.

(Rudy, 1975, (9), 282-286] (C)

BISI 14398 (J. Becvar)

Refining of steel with solid additions in the  
 ladle: the importance of the process for  
 czechoslovak open hearth furnaces.

[Hutnicke Listy, 1975, (12), 854-862] (C)

BISI 14431 (L. Willner and P. Varhegyi)

A mathematical model of the electroslag remelt-  
 ing process, approximating to service condi-  
 tions.

[Arch. Eisenh. 1976, 47, (4), 205-209] (G)

BISI 14567 (B. Korousic)

Drop formation in the electroslag remelting  
 process.

[Arch. Eisenh. 1976 47 (5) 283-288] (G)

BISI 14524 (E. Steinmetz and H. U. Lindenberg)  
 Oxide morphology during manganese and  
 manganese-silicon deoxidation.

[Arch. Eisenhüttenwesen, 1976, 47, (2) 71-76]  
 (G)

BISI 14546 (V. M. Dyakonov et al.)

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