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- Archiv für das Eisenhüttenwesen 35** (1964)
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- On the partition of sulphur and manganese
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(s. Arch. Eisenhüttenwes. 35 (1964) p. 57/64
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- Revue de Métallurgie 60 (1963) No. 11
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- 硅素鋼板に無機絶縁皮膜を形成する方法 特公・昭38-21870(公告・昭38-10-17) 出願: 昭36-1-27, 発明: 神力喜一, 出願: 株式会社日立製作所
- 特別低炭素鋼板の製造法 特公・昭38-21883(公告・昭38-10-17) 出願: 昭36-2-4, 発明: 豊島清三 清水峯男, 松倉亀雄, 小田悌五, 矢頭森彦, 出願: 八幡製鉄株式会社
- 金属管冷間引抜き装置 特公・昭38-21885(公告・昭38-10-17) 出願: 昭37-12-3, 優先権: 1961-12-4(アメリカ), 発明: ジョン・アール・ヒル, ジョゼフ・エー・セイプスター, 出願: ザ・バブコック・アンド・ウイルコックス・カンパニー
- 不規則な波形の線条材を所定の形に曲げる機械 特公・昭38-21887(公告・昭38-10-17) 出願: 昭36-11, 9, 発明: ポール, エム・コープ, 出願: アメリカン・メタル・プロダクト・カンパニー
- クロム分およびマグネシウム分を含む鋳滓から硅素クロム鉄合金およびマグネシウムを製造する方法 特公・昭38-22112(公告・昭38-10-19) 出願: 昭37-5-18, 発明: 森下諦三, 東野勇作, 出願: 昭和電工株式会社
- 圧延機 特公・昭38-22125(公告・昭38-10-19) 出願: 昭37-6-15, 優先権: 1961-7-14(アメリカ) 発明: ジョージ・エルマ・トラップ, 出願: ユーナイテッド・エン지니어リング・アンド・ファウンダリー, コムパニー