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# BIBLIOGRAPHY OF PRESSURE HYDROGENATION

(In Three Parts)

III. SUBJECT INDEX; NUMERICAL PATENT INDEX

By J. L. Wiley and H. C. Anderson



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UNITED STATES DEPARTMENT OF THE INTERIOR

Oscar L. Chapman, Secretary

BUREAU OF MINES

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# BIBLIOGRAPHY OF PRESSURE HYDROGENATION

## (In Three Parts)

### III. Subject Index; Numerical Patent Index<sup>1</sup>

By

J. L. Wiley<sup>2</sup> and H. C. Anderson<sup>3</sup>

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50, 092	P-4647	618, 647	P-4675-s	639, 241	P-5700	661, 327	P-3549-s
50, 101	P-5685		P-5633-s	639, 243	P-5716		P-3751
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687, 955	P-4341	711, 250	P-5049	727, 271	P-5522		P-3711-s
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A 95,013	P-6005	I 61,317	P-4048-s	I 66,058	P-4027-s	I 69,081	P-3184
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B 76,640	2287		P-4100-s	I 66,071	P-4099	I 69,188	P-3185
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B 204,079	P-2656		P-4312	I 66,140	P-3626	I 69,363	P-4039-s
B 204,098	P-2659	I 61,942	P-5609-s	I 66,165	P-3201		P-4041
B 204,099	P-2658	I 61,963	P-4028-s		P-3211-s		P-4043-s
D 76,866	P-2785	I 61,999	P-5471		P-3536-s		P-4044-s
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G 103,408	P-2918	I 63,116	P-3568	I 66,813	P-2525		P-4044-s
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	P-4070-s		P-3239	M 155,183	P-4976		

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Inventor	Date	Abstract No.
Broche, H., Frese, E., and Ibing, G. (Ruhroel G. m. b. H.)	Dec. 11, 1943	P-2663
Doering, Dr. (Ruhroel G. m. b. H.)	Dec. 8, 1943	P-2797
Frese, E., and Schirmacher, Dr.—(Ruhroel G. m. b. H.)	June 21, 1943	P-2886
Ibing, G. (Gewerkschaft Mathias Stinnes)	June 5, 1939	P-3167
Ibing, G. (Ruhroel G. m. b. H.)	Nov. 18, 1943	P-3166
Ibing, G., and Frese, E. (Ruhroel G. m. b. H.)	Sept. 13, 1944	P-3168
Pott, A., Broche, H. and Winkler, K. (Gewerkschaft Mathias Stinnes)	No date	P-5514
Thomas, H. and Doering, Dr. (Ruhroel G. m. b. H.)	June 3, 1943	P-5865
Thomas, H. and Doering, Dr. (Ruhroel G. m. b. H.)	July 13, 1943	P-5866
Thomas, H. and Muschenborn, W. (Ruhroel G. m. b. H.)	No date	P-5867
Winkler, K. and Ibing, G. (Gewerkschaft Mathias Stinnes)	May 31, 1939	P-6036
Winkler, K., Thomas, H., and Doering, Dr. (Ruhroel G. m. b. H.)	Feb. 21, 1941	P-6041

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SN 164,526	P-5648	TC 1,117	P-4050	TC 1,144	P-4045	TC 1,185	P-2512
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OZ 59	P-4018	OZ 4,655	P-5613	OZ 6,868	P-3093-s	OZ 8,322	P-4201-s
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OZ 2,969	P-3797-s	OZ 4,829	P-3806-s		P-3869-s		P-3841-s
OZ 2,986	P-2544		P-3877-s	OZ 6,913	P-3150-s		P-5342-s
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	P-4234-s	OZ 5,412	P-3564-s	OZ 7,149	P-4296-s		P-5935
	P-4236-s	OZ 5,535	P-3664-s		P-4297-s	OZ 8,837	P-3943-s
	P-4292-s		P-6067-s		P-5532-s	OZ 8,907	P-3219
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OZ 3,503	P-4242-s		P-3696-s	OZ 7,182	P-3692-s	OZ 9,009	P-2902-s
OZ 3,541	P-3787-s		P-5295-s	OZ 7,233	P-3256-s	OZ 9,088	P-3021-s
OZ 3,617	P-3487-s	OZ 5,572	P-2564-s	OZ 7,264	P-3110		P-3208-s
OZ 3,646	P-3571-s		P-2565-s	OZ 7,284	P-3712-s		P-3212
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	P-4988-s	OZ 5,907	P-4220-s		P-5670-s	OZ 9,169	P-4208-s
	P-4989-s	OZ 5,912	P-4272-s		P-5671		P-5244-s
OZ 3,894	P-3610-s	OZ 5,926	P-3641-s	OZ 7,397	P-3278-s		P-5245-s
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	P-6040-s	OZ 5,955	P-2801-s		P-5177	OZ 9,228	P-5390-s
OZ 4,025	P-3246-s		P-2802	OZ 7,457	P-2840	OZ 9,229	P-3584-s
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OZ 4,062	P-4233-s		P-4144-s		P-3609-s		P-5247
	P-4285-s	OZ 6,094	P-3308-s	OZ 7,505	P-4253-s	OZ 9,249	P-4202-s
	P-4687		P-3309		P-4267-s		P-4203
	P-4688-s	OZ 6,116	P-3373-s	OZ 7,642	P-3880-s	OZ 9,259	P-4204
OZ 4,096	P-6017-s	OZ 6,153	P-3621-s	OZ 7,662	P-3223-s	OZ 9,408	P-3560-s
OZ 4,168	P-3905-s	OZ 6,175	P-3524-s		P-3224-s		P-3808-s
	P-5448	OZ 6,442	P-3254-s		P-5198	OZ 9,428	P-3299-s
OZ 4,173	P-3836-s	OZ 6,485	P-3990-s	OZ 7,705	P-3838-s		P-3300
	P-5210	OZ 6,537	P-4730-s		P-3845-s	OZ 9,442	P-4722-s
OZ 4,174	P-3358-s	OZ 6,587	P-3980-s	OZ 7,757	P-3342-s	OZ 9,475	P-3572-s
OZ 4,214	P-3016-s	OZ 6,598	P-4127-s	OZ 7,807	P-3730-s	OZ 9,497	P-3847-s
	P-3018-s		P-4147-s		P-3766-s	OZ 9,505	P-4639-s
	P-3513-s		P-5000-s		P-5255		P-5184
	P-3514-s		P-5001	OZ 7,834	P-3342-s	OZ 9,522	P-4254-s
OZ 4,333	P-2900-s		P-6018-s	OZ 7,836	P-4603-s		P-4255
OZ 4,338	P-5212	OZ 6,633	P-3898	OZ 7,894	P-3872-s	OZ 9,541	P-3543-s
OZ 4,356	P-3358-s	OZ 6,640	P-5367-s		P-4607-s		P-4224
OZ 4,391	P-4226-s	OZ 6,652	P-3298-s	OZ 8,070	P-3955-s		P-4311-s
OZ 4,434	P-4137-s	OZ 6,726	P-4200-s	OZ 8,086	P-4161-s	OZ 9,559	P-3873-s
OZ 4,477	P-3372-s	OZ 6,785	P-3086	OZ 8,092	P-4663	OZ 9,563	P-4692
	P-3531-s		P-3087-s	OZ 8,196	P-5151	OZ 9,572	P-4471-s
	P-5315-s	OZ 6,846	P-3108	OZ 8,240	P-4123	OZ 9,598	P-4523
OZ 4,484	P-3113-s		P-3311-s	OZ 8,248	P-3257-s	OZ 9,615	P-3957
OZ 4,488	P-3938-s	OZ 6,865	P-4179	OZ 8,290	P-4360	OZ 9,658	P-2682-s
OZ 4,530	P-4053-s	OZ 6,868	P-3092	OZ 8,310	P-4248-s		P-2683

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Office No.	Abstract No.	Office No.	Abstract No.	Office No.	Abstract No.	Office No.	Abstract No.
OZ 9,659	P-2681	OZ 10,812	P-3634-s	OZ 11,694	P-3222	OZ 12,331	P-4074
OZ 9,720	P-5214		P-3636-s	OZ 11,709	P-4035	OZ 12,339	P-4055
OZ 9,721	P-5196		P-3639	OZ 11,716	P-4256-s	OZ 12,345	P-4284
OZ 9,745	P-5624		P-5534-s	OZ 11,743	P-4019	OZ 12,354	P-3785
OZ 9,747	P-2680	OZ 10,819	P-3694	OZ 11,744	P-4020	OZ 12,385	P-4167-s
OZ 9,754	P-4420-s	OZ 10,826	P-5916-s		P-4131-s	OZ 12,422	P-3221
	P-4476-s	OZ 10,827	P-5915-s	OZ 11,745	P-4021	OZ 12,440	P-4072
OZ 9,763	P-3942	OZ 10,828	P-3883	OZ 11,753	P-3625	OZ 12,445	P-3985
OZ 9,830	P-4176-s		P-5918-s		P-4244		P-3988-s
OZ 9,881	P-4193-s		P-5925-s	OZ 11,807	P-4237		P-4305-s
	P-5197	OZ 10,870	P-3267	OZ 11,808	P-4016		P-4319-s
OZ 9,894	P-4090	OZ 11,048	P-4078		P-4239	OZ 12,477	P-3975
OZ 9,933	P-4691	OZ 11,067	P-2550-s	OZ 11,816	P-5917	OZ 12,478	P-3975
OZ 9,957	P-4225-s	OZ 11,077	P-2885	OZ 11,869	P-4029	OZ 12,500	P-4187
OZ 10,035	P-3100-s	OZ 11,079	P-4262		P-5103-s	OZ 12,508	P-3221
OZ 10,081	P-3587-s	OZ 11,119	P-3281	OZ 11,875	P-2547	OZ 12,510	P-3859-s
	P-3588-s	OZ 11,145	P-4232	OZ 11,885	P-3913	OZ 12,541	P-4182
	P-3589	OZ 11,163	P-4177	OZ 11,889	P-3096	OZ 12,542	P-3190
OZ 10,097	P-3952	OZ 11,179	P-5465-s		P-3323-s	OZ 12,554	P-3229
OZ 10,128	P-4249		P-5466		P-3800-s	OZ 12,602	P-4068
OZ 10,136	P-4779	OZ 11,184	P-4008		P-4038	OZ 12,608	P-4017
OZ 10,157	P-3338	OZ 11,191	P-3568	OZ 11,891	P-3234		P-4239
OZ 10,177	P-4284	OZ 11,196	P-3912	OZ 11,901	P-4073	OZ 12,610	P-4237
OZ 10,196	P-3355-s	OZ 11,209	P-4033	OZ 11,908	P-3327	OZ 12,624	P-3181
	P-3356	OZ 11,212	P-3991		P-3626		P-3182-s
OZ 10,210	P-4353-s	OZ 11,216	P-3978	OZ 11,913	P-3201		P-3187-s
OZ 10,220	P-3077	OZ 11,218	P-3992	OZ 11,914	P-3202-s		P-4058
	P-3788-s	OZ 11,219	P-3244	OZ 11,948	P-3328	OZ 12,625	P-3182
	P-3924-s	OZ 11,226	P-4007	OZ 11,960	P-4313		P-3187-s
OZ 10,230	P-4166-s		P-4265-s	OZ 11,984	P-3627		P-4058
	P-4167-s	OZ 11,231	P-3376	OZ 11,994	P-3518	OZ 12,630	P-4266
OZ 10,291	P-4619-s	OZ 11,234	P-4025	OZ 12,013	P-3619	OZ 12,632	P-3183
OZ 10,392	P-3310-s	OZ 11,235	P-3301		P-3628		P-3264
OZ 10,424	P-3579-s	OZ 11,244	P-3302-s	OZ 12,014	P-3226	OZ 12,633	P-3184
	P-4117-s	OZ 11,250	P-2551-s		P-3629		P-3189-s
OZ 10,456	P-4097	OZ 11,309	P-3613	OZ 12,029	P-3520	OZ 12,657	P-3185
OZ 10,481	P-5373	OZ 11,310	P-3612	OZ 12,068	P-3929		P-3596
OZ 10,523	P-4175	OZ 11,322	P-4097		P-4026	OZ 12,677	P-3237
OZ 10,531	P-3788-s		P-4098	OZ 12,080	P-3597		P-3825
	P-3924-s	OZ 11,328	P-3969	OZ 12,088	P-3172	OZ 12,678	P-3949
OZ 10,533	P-4320-s	OZ 11,338	P-2514		P-3854	OZ 12,694	P-3931
OZ 10,541	P-3378		P-3273-s	OZ 12,089	P-4028	OZ 12,707	P-4284
OZ 10,554	P-3626-s	OZ 11,340	P-4275	OZ 12,115	P-3230-s	OZ 12,710	P-4300
	P-3635-s	OZ 11,371	P-4034		P-4849		P-4308
	P-3640	OZ 11,372	P-2512	OZ 12,145	P-3979-s	OZ 12,716	P-4280
OZ 10,578	P-4263	OZ 11,373	P-2517	OZ 12,147	P-3782	OZ 12,718	P-3186
OZ 10,579	P-3275	OZ 11,374	P-2510	OZ 12,160	P-4102		P-3236
OZ 10,607	P-4095-s	OZ 11,375	P-2513	OZ 12,162	P-4084-s	OZ 12,731	P-3187
	P-4096	OZ 11,377	P-4004	OZ 12,180	P-3179		P-4058
OZ 10,655	P-4664	OZ 11,420	P-4003		P-3181-s	OZ 12,741	P-3243-s
OZ 10,682	P-3171	OZ 11,435	P-3535		P-3182-s		P-3286-s
OZ 10,707	P-4190-s	OZ 11,438	P-4094		P-3187-s		P-3960
OZ 10,708	P-5890-s	OZ 11,485	P-2549-s		P-4058		P-3961-s
OZ 10,714	P-3519		P-4312	OZ 12,188	P-3180	OZ 12,742	P-3266
OZ 10,724	P-3852	OZ 11,534	P-3248		P-3974	OZ 12,743	P-4049
	P-5898-s	OZ 11,543	P-4092	OZ 12,198	P-4196-s	OZ 12,746	P-3188
OZ 10,740	P-4250-s	OZ 11,544	P-3642	OZ 12,201	P-3175	OZ 12,768	P-3630
OZ 10,749	P-3984	OZ 11,579	P-3247		P-5665		P-4302
	P-5888-s	OZ 11,636	P-3744-s	OZ 12,207	P-4103	OZ 12,769	P-3363-s
	P-5913-s		P-4154	OZ 12,209	P-3613		P-3364-s
OZ 10,755	P-5920-s		P-5108		P-4015		P-3971
OZ 10,758	P-4739-s	OZ 11,648	P-4045	OZ 12,240	P-4062		P-3972-s
	P-4740-s	OZ 11,658	P-5433-s	OZ 12,245	P-3245-s	OZ 12,785	P-4085-s
OZ 10,786	P-5889	OZ 11,660	P-3829	OZ 12,260	P-4059		P-4086
	P-5909-s	OZ 11,665	P-4050	OZ 12,269	P-4235	OZ 12,798	P-4303
OZ 10,788	P-2653-s	OZ 11,667	P-5333	OZ 12,277	P-4054		P-4317
	P-2654-s	OZ 11,679	P-4071	OZ 12,290	P-2676	OZ 12,802	P-3801-s

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Office No.	Abstract No.	Office No.	Abstract No.	Office No.	Abstract No.	Office No.	Abstract No.
OZ 12,807	P-3269	OZ 13,171	P-4229	OZ 14,169	P-4171	OZ 14,562	P-4274
OZ 12,810	P-3950	OZ 13,187	P-2546		P-4174	OZ 14,600	P-3963
OZ 12,838	P-4238	OZ 13,257	P-3985	OZ 14,190	P-4056	OZ 14,602	P-3361
OZ 12,848	P-3986-s		P-3988	OZ 14,207	P-3313		P-4153
	P-3987-s	OZ 13,264	P-4075		P-4152-s	OZ 14,610	P-3855
	P-4304	OZ 13,285	P-3790		P-4157	OZ 14,625	P-4228
	P-4318	OZ 13,318	P-4066	OZ 14,241	P-3368	OZ 14,644	P-4228
OZ 12,855	P-3988-s	OZ 13,332	P-3793-s	OZ 14,246	P-3570	OZ 14,695	P-3379
	P-4305	OZ 13,386	P-4060	OZ 14,247	P-3930	OZ 14,703	P-3618
	P-4319	OZ 13,429	P-4027	OZ 14,248	P-4089	OZ 14,714	P-4108
OZ 12,897	P-3362	OZ 13,485	P-3365	OZ 14,252	P-3602	OZ 14,733	P-3575
OZ 12,921	P-3583	OZ 13,490	P-4112		P-3603-s	OZ 14,746	P-3554
OZ 12,924	P-3366	OZ 13,555	P-3946	OZ 14,280	P-4052	OZ 14,751	P-3598
	P-3886		P-4031	OZ 14,355	P-3801-s	OZ 14,758	P-3286
OZ 12,925	P-3367	OZ 13,585	P-4114	OZ 14,368	P-4065	OZ 14,763	P-4057
OZ 12,926	P-3354-s	OZ 13,597	P-4207	OZ 14,378	P-4314		P-4076
	P-3363	OZ 13,604	P-3774	OZ 14,393	P-4150	OZ 14,770	P-3559
	P-3972	OZ 13,627	P-3354	OZ 14,401	P-4069	OZ 14,774	P-3623
OZ 12,942	P-3243		P-3364		P-4283	OZ 14,775	P-3326
	P-3961-s	OZ 13,631	P-4208	OZ 14,410	P-4063	OZ 14,782	P-3238-s
OZ 12,943	P-3961-s	OZ 13,651	P-4188	OZ 14,422	P-3947		P-3239
OZ 12,944	P-3961	OZ 13,679	P-3362		P-4006	OZ 14,794	P-4245
OZ 12,986	P-3189	OZ 13,712	P-4024	OZ 14,426	P-6010	OZ 14,800	P-4288
	P-3268	OZ 13,739	P-4023	OZ 14,431	P-3966	OZ 14,808	P-3934
OZ 13,043	P-3849	OZ 13,805	P-3989	OZ 14,435	P-4070	OZ 14,810	P-3258
OZ 13,046	P-3986		P-4077	OZ 14,436	P-3933		P-4109
	P-4306	OZ 13,876	P-4315	OZ 14,461	P-4186	OZ 14,819	P-3238
OZ 13,047	P-3987	OZ 13,916	P-4743	OZ 14,474	P-3200	OZ 14,825	P-4061
	P-3989-s	OZ 13,917	P-3789	OZ 14,481	P-4089	OZ 14,924	P-4010
	P-4307	OZ 13,988	P-3956	OZ 14,487	P-4005	OZ 14,935	P-3951
OZ 13,085	P-4301	OZ 14,004	P-4228	OZ 14,494	P-3962	OZ 14,956	P-4151
OZ 13,114	P-3945	OZ 14,018	P-3773		P-4157	OZ 14,970	P-3312-s
OZ 13,122	P-3565	OZ 14,062	P-3265	OZ 14,496	P-3577		P-4152
OZ 13,129	P-3566-s	OZ 14,084	P-4173	OZ 14,503	P-3578	OZ 14,974	P-3312-s
	P-3567	OZ 14,085	P-4149	OZ 14,516	P-3595	OZ 14,988	P-4157
OZ 13,143	P-3944-s	OZ 14,115	P-4067	OZ 14,538	P-3928	OZ 15,000	P-4091
OZ 13,151	P-4093	OZ 14,123	P-3965		P-3964	OZ 15,032	P-3324
OZ 13,154	P-3569	OZ 14,153	P-3909	OZ 14,549	P-3786	OZ 15,033	P-3325
	P-3637	OZ 14,163	P-4228	OZ 14,550	P-4128		

  

PA No.	Abstract No.	PA No.	Abstract No.	PA No.	Abstract No.	PA No.	Abstract No.
174, 353	P-6072	583, 317	P-4719	622, 357	P-2658	859, 534	P-2785
401, 119	P-4018	584, 208	P-5569	622, 358	P-2657		
522, 312	P-2915	622, 356	P-2659	622, 359	P-2656		



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260, 800	P-2575	476, 396	P-2618	546, 405	P-4930	584, 763	P-5631
286, 853	P-2688-s	477, 038	P-2652	547, 536	P-5525	585, 652	P-3008
	P-2689	483, 634	P-2768		P-5526-s	588, 268	P-5085
290, 563	P-2606	485, 768	P-2653	547, 537	P-5525-s	589, 968	P-5667
290, 877	P-2688	486, 309	P-3498		P-5526	590, 098	P-3103
299, 783	P-2596	487, 106	P-3055-s	547, 811	P-4927	590, 874	P-2840
301, 231	2076		P-5731	548, 711	P-3727-s		P-2841-s
	P-2600-s	488, 759	P-3784		P-3792	590, 875	P-6028
	P-2601-s	489, 279	P-5278	550, 123	P-4840	591, 099	P-5047
	P-2608	489, 346	P-5200		P-5296-s	591, 729	P-5629
	P-2609-s	490, 562	P-5019	550, 157	P-4226-s	592, 223	P-3148
	P-2610-s	490, 636	P-2766		P-5436		P-3149-s
301, 683	P-4899	493, 687	P-3013	551, 252	P-6061	595, 234	P-5304
301, 773	P-4763	494, 085	P-3101	551, 687	P-5296	595, 348	P-3084
303, 272	P-2591	494, 213	P-2746	552, 245	P-6042	595, 615	P-5856
303, 332	P-4901	494, 214	P-3116	552, 984	P-5860	596, 040	P-2948
303, 893	2076	495, 204	P-4325	553, 407	P-5449-s	596, 870	P-3104
	P-2609	497, 030	P-4932		P-5451		P-4294-s
303, 901	P-2588	500, 411	P-3743	553, 909	P-4776	597, 255	P-5456
306, 356	P-4900	501, 689	P-2750	554, 177	P-3086		P-5457-s
307, 671	P-2581-s	501, 835	P-6042-s	554, 366	P-5241		P-5458-s
	P-2592	503, 351	P-2993		P-5322-s	597, 810	P-2858
	P-2598-s	506, 240	P-2565-s	554, 491	P-5756	598, 315	P-5116
336, 334	P-5857		P-2566	554, 779	P-3039	598, 366	P-3106
	P-5858-s		P-2567-s	556, 657	P-4907	599, 581	P-4179
341, 295	P-5858		P-4173-s	556, 796	P-5523	600, 705	P-4322
350, 634	P-2593	515, 523	P-4826	556, 797	P-3898	601, 222	P-4781
362, 074	P-2597	515, 944	P-5612	558, 638	P-6015	601, 669	P-2909
369, 367	P-6021	516, 316	P-5210	559, 396	P-3118	602, 815	P-5635
370, 975	P-2846	516, 993	P-3012	559, 520	P-5322		P-5636-s
	P-2847-s	517, 317	P-3011	559, 730	P-2827	603, 636	P-4769
382, 090	P-5480	517, 871	P-5661	559, 923	P-2796	603, 763	P-5363
382, 367	P-2847	522, 463	P-6013	560, 608	P-5762	605, 677	P-5760
384, 645	P-5481	526, 231	P-3308-s	561, 625	P-4879	606, 011	P-2556
388, 127	P-2830		P-3309		P-4880-s	607, 363	P-5760
389, 946	P-2751	527, 519	P-5314	561, 811	P-5879	607, 794	P-5425
392, 798	P-5482	529, 049	P-4835	562, 495	P-4881	607, 907	P-5636
394, 497	P-2585	529, 482	P-3117		P-4882-s	608, 465	P-5802
	P-3743-s	529, 537	P-3121	562, 629	P-4922	608, 466	P-4808
	P-2831		P-3122-s		P-4923-s	608, 467	P-4800
395, 566	P-4707	529, 807	P-5212	564, 677	P-4923	609, 538	P-4789
397, 681	P-2971	532, 686	P-4761	564, 782	P-6051		P-4827-s
401, 355	P-2642	534, 204	1329	564, 957	P-4727	611, 922	P-5550
403, 192	P-2674-s		P-4908	565, 410	P-4882		P-5551-s
405, 974	P-5800-s	534, 408	P-3055	567, 327	P-2939	612, 911	P-3092
406, 252	P-5622	535, 257	P-4777	567, 330	P-4687		P-3093-s
408, 811	P-2614	535, 473	P-2895	567, 607	P-5686		P-3868-s
411, 540	P-4963	535, 723	P-5523-s	568, 543	P-5448		P-3869-s
415, 371	P-4983		P-5524	568, 544	P-5297	613, 726	P-3098
415, 686	P-5620		P-5525-s	568, 626	P-6016	614, 859	P-5321
420, 393	P-2672		P-5526-s	570, 558	P-3151-s	614, 916	P-4812
428, 305	P-2843	536, 190	P-3831-s		P-5692	615, 148	P-3730-s
431, 479	P-4828		P-5301		P-5693-s		P-5255
432, 848	P-5015	536, 651	P-5068	570, 951	P-5294	615, 397	P-5549
438, 071	P-3796	536, 794	P-4833	571, 792	P-5211	616, 427	P-5316
445, 107	P-3797-s	538, 551	P-5054	571, 851	P-5693	616, 595	P-3149
	P-4191-s	539, 990	P-3676-s	573, 533	P-4324	617, 236	P-5747
	P-2748		P-4985	574, 721	P-3271-s	617, 594	P-5759
446, 268	P-4192	540, 001	P-4323	575, 085	P-3729	618, 315	P-5164
449, 686	P-5873	541, 470	P-2822	577, 338	P-3108		P-5165-s
452, 216	P-5531	541, 755	P-5613	577, 628	P-3256-s	618, 566	P-2845
453, 883	P-4191	541, 820	P-3997		P-4782	619, 739	P-4822-s
454, 576	P-2832	541, 829	P-5005		P-4783-s		P-4823
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626, 273	P-4986	646, 405	P-5414	664, 563	P-4822	681, 519	P-2999
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626, 462	P-5366	646, 477	P-5284	665, 228	P-3017	682, 018	P-3293-s
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628, 370	P-2802	647, 666	P-3984		P-5377-s	683, 202	P-5226
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## UNITED STATES PATENT APPLICATIONS

## BY ALIEN PROPERTY CUSTODIAN NUMBER

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60, 192 265, 605	P-4920 P-6063	384, 740	P-2884	384, 741	P-5432	389, 038	P-5813

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1, 188, 530	P-2643	1, 776, 875	P-3246-s	1, 890, 436	P-4821	1, 920, 140	P-2850
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	P-2608-s	1, 810, 387	P-2624	1, 894, 116	P-5118		P-5138
	P-2610-s	1, 818, 158	P-5331	1, 894, 257	P-5168	1, 922, 499	P-5281
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