

INDEX - MICROFILM REEL 224
(Original designation Navy 5968)

Captured German Technical Documents on Oil
Shale Patents and Patent Applications with
Translations.

| <u>Document Frames</u> | <u>Subject</u> | <u>Translation Frames</u> |
|----------------------------|--|-------------------------------|
| 10002-10010 | Patent Application. Process for the carbonization of oil shale in its own bed (Subterranean carbonization). | 20001-20002 |
| 10017 | Claim of a Patent Application. | 20003 |
| 10020-10026 | Patent Application. Process and arrangement for the carbonization of oil shale and other bituminous fuels which have a high ash content. | 20004-20006 |
| 10064-10066 | R. P. 427, 781 Process for the carbonization of bituminous substances such as oil shale. | 20007-20008 |
| 101000 | Patent Application Process for carbonization of oil shale. | 20009 |
| | Frame 10102 is the last page of a file on Lurgi patent data. The frames skipped in the index either are duplications of documents in the file already scanned or are correspondence of little interest. | |
| 10103-10116 | Trade Journal Extracts Abstracts of foreign and American patents on oil shale carbonization. | 20010-20023 |
| 10119-10130 | Oil Shale Plant Offer for construction of a 500 ton per day oil shale carbonization plant | 20024 |
| 10131-10133 | R. P. 691, 748 Process and arrangement for the determination of sulfur content of liquid fuels. | 20025 |
| 10134-10135 | R.P. 689, 121 Process for low temperature carbonization of bitumen or oil containing solid materials by means of recycling superheated gases. | 20026 |

T.O.M. Reel 224 - Cont'd.

| <u>Document Frames</u> | <u>Subject</u> | <u>Translation Frames</u> |
|----------------------------|---|-------------------------------|
| 10136-10141 | R. P. 682, 639 Gadget which is suitable to move iron frames which are filled with coal through low temperature carbonization chambers. | 20027 |
| 10142-10143 | R. P. 681, 745 Iron container which can be used for low temperature carbonization of coal. | 20028-20029 |
| 10145-10148 | R. P. 669, 440 Process for low temperature carbonization of coal by means of vertical intermittent working chambers. | 20030-20031 |
| 10149-10154 | R. P. 666, 624 Process for simultaneous low temperature carbonization and cracking of lignite and other bituminous fuels. | 20032-20037 |
| 10155-10156 | R. P. 685, 240 Process for low temperature carbonization of bituminous rocks. | 20038-20039 |
| 10157-10158 | R. P. 692, 471 Process for low temperature carbonization of bitumen-containing rocks. | 20040 |
| 10159-10160 | R. P. 554, 294 Process for the improvement of the qualities of shale oils and their derivatives. | 20041-20042 |
| 10160-10163 | R. P. 566, 155 Process for the production of refined sulfur-containing oils. | 20043-20045 |
| 10164-10166 | R. P. 682, 196 Process for the manufacture of Diesel fuels from tars or tar oils respectively. | 20046-20047 |
| 10167-10170 | R. P. 675, 826 Process and arrangement for the preparation of mixtures of bituminous rocks. | 20048 |
| 10171-10172 | R. P. 421, 858 Process for refining mineral oils | 20049-20051 |

T.O.M. Keel 224 - Cont'd.

| <u>Document Frames</u> | <u>Subject</u> | <u>Translation Frames</u> |
|----------------------------|--|-------------------------------|
| 10173-10174 | R. P. 458, 629 Process for the production of insulating oils from lignite or oil-shale tars, | 20052-20054 |
| 10175-10176 | R. P. 482, 416 Process for the production of insulating oils from lignite or oil-shale tars. | 20055-20056 |
| 10177-10179 | R. P. 673, 139 Diesel Fuel. | 20057 |
| 10180-10183 | R. P. 681, 744 Vertical furnace for low temperature carboniza- tion. | 20058-20059 |
| 10183-10184 | R. P. 683, 927 Diesel fuel. | 20060-20061 |
| 10185-10187 | R. P. 691, 748 Duplicate of frames 10131-10133 | 20062 |
| 10188-10189 | R. P. 695, 47A Process for brightening the color and improving the odor of lignite and shale oils. | 20063-20064 |
| | Duplicates of 20063-20064 | 20065-20066 |
| 10190 | R. P. 696, 532 Process for brightening the color and improv- ing the odor of lignite and shale oil. | 20067 |
| 10193-10194 | R. P. 647, 617 Vertical furnace for low temperature carboni- zation. | 20068-20069 |
| 10209-10211 | R. P. 673, 750 Arrangement for analysis of liquid fuels, chiefly for the determination of the total sulfur content. | 20070-20071 |
| 10216-10217 | R. P. 677, 014 Process for dehydration of tars, | 20072 |
| 10218-10219 | R. P. 678, 500 Process for the refining of hydrocarbon oils. | 20073-20074 |
| 10223-10237 | R. P. 682, 970 Vertical furnace for low temperature carboni- zation. | 20075-20076 |

T.O.M. Reel 224 - Cont'd.

| <u>Document Frames</u> | <u>Subject</u> | <u>Translation Frames</u> |
|----------------------------|--|-------------------------------|
| 10242-10244 | R. P. 683, 266 Steel container for low temperature carbonization | 20077-20078 |
| 101252 | R. P. 693, 769 Process for the manufacture of sulfonated products. | 20079 |
| 10256-10258 | R. P. 698, 725 Continuously working low temperature carbonization furnace applying purge gases. | 20080-20082 |
| 101259-101260 | R. P. 707, 813 Process for the extraction of coals, peat, bituminous shale applying high pressure. | 20083-20084 |
| 101261-101262 | R. P. 708, 763 Process for the low temperature carbonization of lignite, oil-shale, etc. | 20085-20087 |
| 10263-10264 | R. P. 709, 022 Process for the recovery of high or low melting paraffin waxes from coals, oil shales, or other bituminous substances. | 20088-20090 |
| 10265-10268 | R. P. 710, 717 Vertical furnace for low temperature carbonization. | 20091-20092 |
| 10269-10271 | R. P. 711, 376 Process for the manufacture of lubricants by high pressure hydrogenation of lignite or peat. | 20093-20095 |
| 10272-10273 | R. P. 711, 380 Process for pressure extraction of coals, peat, bituminous shale, etc. | 20096-20098 |
| 10274-10275 | R. P. 711, 711 Process for the extraction of coal, peat, or bituminous shales applying pressures. | 20099-200100 |
| 10276-10277 | R. P. 711, 712 Process for the extraction of coal, peat, or bituminous shales applying pressures. | 20101-20102 |
| 10278-10280 | R. P. 712, 015 Process for the treatment of bituminous substances, or products which contain such substances. | 20103-20105 |

| <u>Document Frames:</u> | <u>Subject</u> | <u>Translation Frames:</u> |
|-----------------------------|--|--------------------------------|
| 10281-10282 | R. P. 714, 909 Process for the extraction of coal, peat, bituminous shales, etc. Applying elevated pressures and catalysts. | 20106-20107 |
| 10283-10286 | R. P. 720, 464 Arrangement for an intermittent processing of granulated fuels. | 20108-20109 |
| 10287-10289 | R. P. 722, 459 Process and arrangement for low temperature carbonization of solid bituminous fuels especially for lignite by means of purging gases. | 20110-20113 |
| 10290-10292 | R. P. 725, 487 Process for treating waste liquors of the dialysis of sulfuric acids of sulfur-containing mineral or tar oils or their ammonium salts. | 20114-20116 |
| 10293-10295 | R. P. 726, 004 Process for extracting low temperature carbonization. | 20117-20118 |
| 10296-10298 | R. P. 726, 825 Ring-shaped shaft furnace for low temperature carbonization applying two cycles of purging gases. | 20119-20120 |
| 10299-10300 | R. P. 727, 204 Process for treating waste liquors of the analysis of sulphonic acids of sulfur-containing mineral or oils or their ammonium salts. | 20121 |
| 10301-10304 | R. P. 727, 669 Ring-shaped shaft furnace with a central introduction of purging gases. | 20122-20123 |
| 10308-10311 | R. P. 734, 719 Process for the preparation of oil shale deposits for low temperature carbonization. | 20124 |
| 10305-10307 | R. P. 730, 725 Retort for low temperature carbonization. | 20125 |
| 10312 | R. P. 739, 270 Process for the improvement of the odor of shale oils. | 20126-20127 |

T.O.M. Reel 224 - Cont'd.

| <u>Document Frames</u> | <u>Subject</u> | <u>Translation Frames</u> |
|----------------------------|---|-------------------------------|
| | Frames 10118 - 10312 comprise patents assembled in a file on Portland cement data. Where frame numbers have been skipped, the intervening pages are duplications of other documents in the file or are routine correspondence of little interest. | |
| 10323-10326 | Process which is suitable for underground carbonization. | 20128-20131 |
| 10357-10359 | Carbonization process which uses the fixed carbon of the residues | 20132-20133 |
| 10360-10364 | Furnace for low temperature carbonization. | 20134-20135 |
| 10383 | Process which is suitable for underground carbonization. | 20136 |
| 10386-10390 | Furnace and process which is suitable for the carbonization of oil shale. | 20137-20139 |
| 10412-10415 | Process and arrangement which is suitable for subterranean carbonization of oil shale. | 20140-20141 |
| 10428-10430 | Process which is suitable for the carbonization of solid shale rock. | 20142-20145 |
| | Frames 10313-10437 comprise a patent file from Kohler-Oel-Union. Duplications of documents in the file or routine correspondence account for the skipping of frames in the index. | |
| 10438-10440 | Patent Application Process for the recovery of oil shale carbonization products by underground carbonization. | 20146 |
| 10442-10446 | Patent Application Process for recovery of oil shale carbonization products by underground carbonization. | 20147-20148 |
| 10447-10458 | Patent Application Process for manufacturing and improving natural or artificial hydraulic acting materials. | 20149-20151 |

T.O.M. Reel 224 - Cont'd.

| <u>Document Frames</u> | <u>Subject</u> | <u>Translation Frames</u> |
|----------------------------|--|-------------------------------|
| 10459-10463 | Patent Application Process for the improvement of soils. | 20152-20153 |
| 10464-10471 | Patent Application Admixture to the fodder of livestock. | 20154 |
| 10472-10475 | Patent Application Hydraulic hardening gypsum. | 20155-20156 |
| 10476-10479 | Patent Application Process for the manufacture of highly activated hydraulic substances. | 20157 |
| 10481-10485 | Patent Application Manufacture of highly activated hydraulic sub- stance from oil shale. | 20158 |
| 10486-10491 | Patent Application Process for the manufacture of a highly acti- vated hydraulic substance which can be admixed to binders which originate from oil shale and its products. | 20159 |
| 10492-10500 | Patent Application Process for the manufacture of hydrocarbon compounds which contain high amounts of sulfur, especially of sulfur-containing mineral oils which can be used as pharmaceutical substances. | 20160-20162 |
| 10501-10515 | Patent Application Process for the manufacture of Portland - cement like hydraulic binders. | 20163-20167 |
| 10516-10518 | Patent Application Process for manufacture of quick-hardening, non-shrinking high hydraulic binder. | 20168-20169 |
| 10520-10522 | Patent Application Process for the manufacture of rock wool. | 20170 |
| 10524-10526 | Patent Application Improvement of soils, annex to R. P. 730, 234 | 20171 |
| 10528-10533 | Patent Application Process for the manufacture of substances which are suitable for the improvement of soils or which can be added to fertilizers. | 20172-20173 |

T.O.M. Reel 224 - Cont'd.

| <u>Document Frames</u> | <u>Subject</u> | <u>Translation Frames</u> |
|----------------------------|--|-------------------------------|
| 10574-10575 | R. P. 699, 130 Process for the manufacture of substances which are suitable for the improvement of soils which can be added to fertilizers. | 20174 |
| 10586-10587 | Swiss Pat. 207,951. Process for the manufacture of a soil improving agent. | 20175 |

Frames 10437 - 10634 comprise another patent
file on Portland cement data. Duplications of
documents in the file on routine correspondence
account for the frames skipped in the index