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(56) **References Cited**

U.S. PATENT DOCUMENTS

525,442 A 9/1894 Burrows
575,074 A 1/1897 Smith
774,114 A 11/1904 Spear
815,801 A 3/1906 Depew et al.
1,344,181 A 6/1920 Mason
1,399,023 A 12/1921 Murray
1,510,497 A 10/1924 Keller
1,512,084 A 10/1924 Church
1,571,048 A 1/1926 Garrow
1,630,801 A 5/1927 Parsons
1,634,809 A 7/1927 Weiss
1,698,557 A 1/1929 O'Brien
1,819,093 A 8/1931 Hardinge
1,856,932 A 5/1932 Shaw
1,856,936 A 5/1932 Turner
1,871,843 A 8/1932 Ericson
1,914,163 A 6/1933 Randall
1,930,024 A 10/1933 Varden
1,943,663 A 1/1934 Ericson
1,959,519 A 5/1934 Black
1,976,684 A 10/1934 Munroe et al.
1,976,984 A 10/1934 Condon et al.
1,978,519 A 10/1934 Willock et al.
1,995,393 A 3/1935 Manske
1,997,939 A 4/1935 Loucks
2,009,619 A 7/1935 Huffine
2,024,689 A 12/1935 Walter et al.
2,030,383 A 2/1936 Luth et al.
2,054,854 A 9/1936 Dreyfus
2,062,149 A 11/1936 Stark et al.
2,156,308 A 5/1939 Schuh
2,156,311 A 5/1939 Schuh
2,175,568 A 10/1939 Haustein
2,175,569 A 10/1939 Kennedy
2,176,668 A 10/1939 Egeberg et al.
2,182,372 A 12/1939 Cox et al.
2,224,351 A 12/1940 Kaye
2,253,753 A 8/1941 Black
2,276,170 A 3/1942 Elmendorf
2,317,634 A 4/1943 Olsen
2,320,702 A 6/1943 Marchese et al.
2,323,230 A 6/1943 McAvoy
2,324,325 A 7/1943 Schuh
2,354,639 A 7/1944 Seymour
2,377,484 A 6/1945 Elmendorf
2,400,357 A 5/1946 Krajci
2,413,794 A 1/1947 Small
2,447,275 A 8/1948 Price
2,511,083 A 6/1950 Small
2,517,122 A 8/1950 Lockwood
2,518,281 A 8/1950 Camp et al.
2,619,776 A 12/1952 Potters
2,624,298 A 1/1953 Farren
2,645,576 A 7/1953 Bate et al.
2,676,892 A 4/1954 McLaughlin
2,694,025 A 11/1954 Slayter et al.
2,724,872 A 11/1955 Herbes
2,746,735 A 5/1956 Bradford
2,762,619 A 9/1956 Booth
2,782,018 A 2/1957 Bradford
2,782,463 A 2/1957 Bergvall et al.
2,797,201 A 6/1957 Veatch
2,838,881 A 6/1958 Plumat
2,879,171 A 3/1959 Kullenberg
2,880,101 A 3/1959 Ulfstedt
2,928,143 A 3/1960 Newton
2,945,326 A 7/1960 Wood
2,947,115 A 8/1960 Wood
2,978,339 A 4/1961 Veatch et al.
2,978,340 A 4/1961 Veatch et al.
2,987,408 A 6/1961 Minnick
2,997,403 A 8/1961 Searight
3,010,177 A 11/1961 Thompson et al.
3,046,700 A 7/1962 Davenport
3,047,985 A 8/1962 Murphy
3,081,179 A 3/1963 Charvat et al.
3,106,503 A 10/1963 Randall et al.
3,150,947 A 9/1964 Bland
3,173,229 A 3/1965 Weber
3,181,662 A 5/1965 Maertzig, Jr.
3,214,876 A 11/1965 Mattes
3,215,505 A 11/1965 Schmalfeld et al.
3,235,039 A 2/1966 O'Donnell
3,236,932 A 2/1966 Grigas et al.
3,256,105 A 6/1966 Alford
3,264,125 A 8/1966 Bourlin
3,274,743 A 9/1966 Blum, Jr.
3,279,905 A 10/1966 Wood et al.
3,284,980 A 11/1966 Dinkel
3,293,014 A 12/1966 Callender et al.
3,297,411 A 1/1967 Dear
3,321,414 A 5/1967 Vieli
3,333,379 A 8/1967 Harris
3,336,710 A 8/1967 Raynes
3,341,314 A 9/1967 Vukasovich et al.
3,348,956 A 10/1967 Ekdahl
3,360,392 A 12/1967 Mod et al.
3,365,315 A 1/1968 Beck et al.
3,408,786 A 11/1968 Snyker
3,415,019 A 12/1968 Andersen
3,416,275 A 12/1968 Van Loghem et al.
3,421,281 A 1/1969 Harris
3,481,093 A 12/1969 Davidson
3,495,961 A 2/1970 Lange
3,501,324 A 3/1970 Kubo
3,527,004 A 9/1970 Sorenson
3,560,185 A 2/1971 Nylander
3,560,186 A 2/1971 Nylander
3,574,113 A 4/1971 Shannon
3,582,377 A 6/1971 Hays et al.
3,606,720 A 9/1971 Cookson
3,616,173 A 10/1971 Green et al.
3,625,808 A 12/1971 Martin
3,634,567 A 1/1972 Yang
3,635,742 A 1/1972 Fujimasu et al.
3,660,955 A 5/1972 Simon et al.
3,663,341 A 5/1972 Veneziale, Jr.
3,663,353 A 5/1972 Long et al.
3,679,446 A 7/1972 Kubo
3,703,795 A 11/1972 Mattes
3,708,943 A 1/1973 Thomas et al.
3,716,386 A 2/1973 Kempster
3,729,368 A 4/1973 Ingham et al.
3,736,162 A 5/1973 Chvalovsky et al.
3,748,100 A 7/1973 Forseth
3,748,160 A 7/1973 Carbajal
3,752,685 A 8/1973 Honda et al.