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(21) International Application Number: PCT/NL99/00584 (22) International Filing Date: 21 September 1999 (21.09.99) (30) Priority Data: 1010140 21 September 1998 (21.09.98) NL (71) Applicant (for all designated States except US): STICHT- ING ENERGIEONDERZOEK CENTRUM NEDERLAND [NL/NL]; Westerduinweg 3, NL-1755 LE Petten (NL). (72) Inventors; and (75) Inventors/Applicants (for US only): DE WILD, Paulus, Jo- hannes [NL/NL]; Leeststraat 13, NL-1825 JL Alkmaar (NL). VERHAAK, Michael, Johannes, Franciscus, Maria [NL/NL]; Westerweg 41, NL-1815 DB Alkmaar (NL). BAKKER, Dianna, Fokelina [NL/NL]; Vermeerstraat 16, NL-1761 WR Anna Paulowna (NL). (74) Agent: DE BRUIN, Leendert, C.; Nederlandsch Octrooi- bureau, Scheveningsweg 82, P.O. Box 29720, NL-2502 LS The Hague (NL).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>In English translation (filed in Dutch).</i>
(54) Title: CATALYSTS FOR THE SELECTIVE OXIDATION OF CARBON MONOXIDE IN HYDROGEN-CONTAINING GASES		
(57) Abstract		
The invention relates to a method for the selective catalytic oxidation of carbonmonoxide (CO) in H₂-rich, CO₂- and H₂-containing gases in the presence of a noble metal catalyst on an alumina carrier with the addition of air as oxidising agent. According to the invention, with this method α-Al₂O₃ is used as carrier material. The specific surface area of the α-Al₂O₃ carrier can be less than 25 m²/gram. The noble metal can be ruthenium or platinum and preferably a combination of ruthenium (Ru) and platinum (Pt), the sum of the quantities of Ru and Pt being less than or equal to 1.0 % (m/m).		