

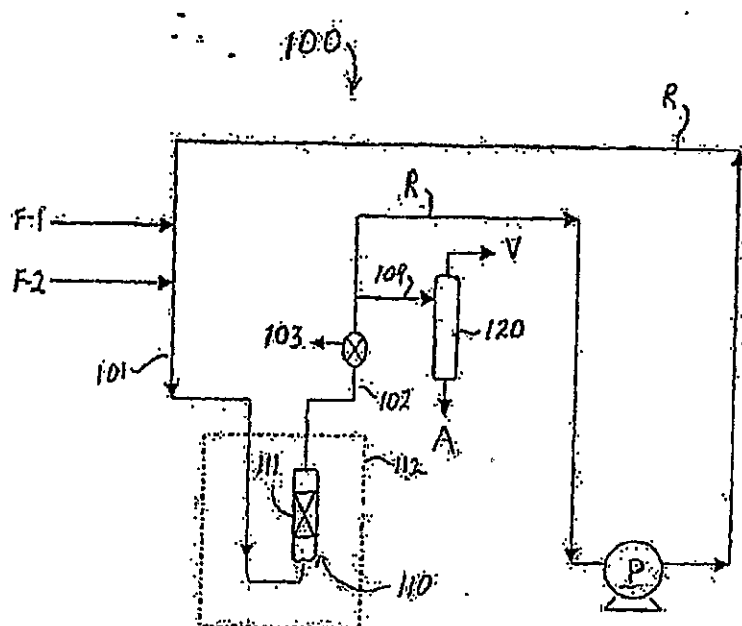


FIG. 1

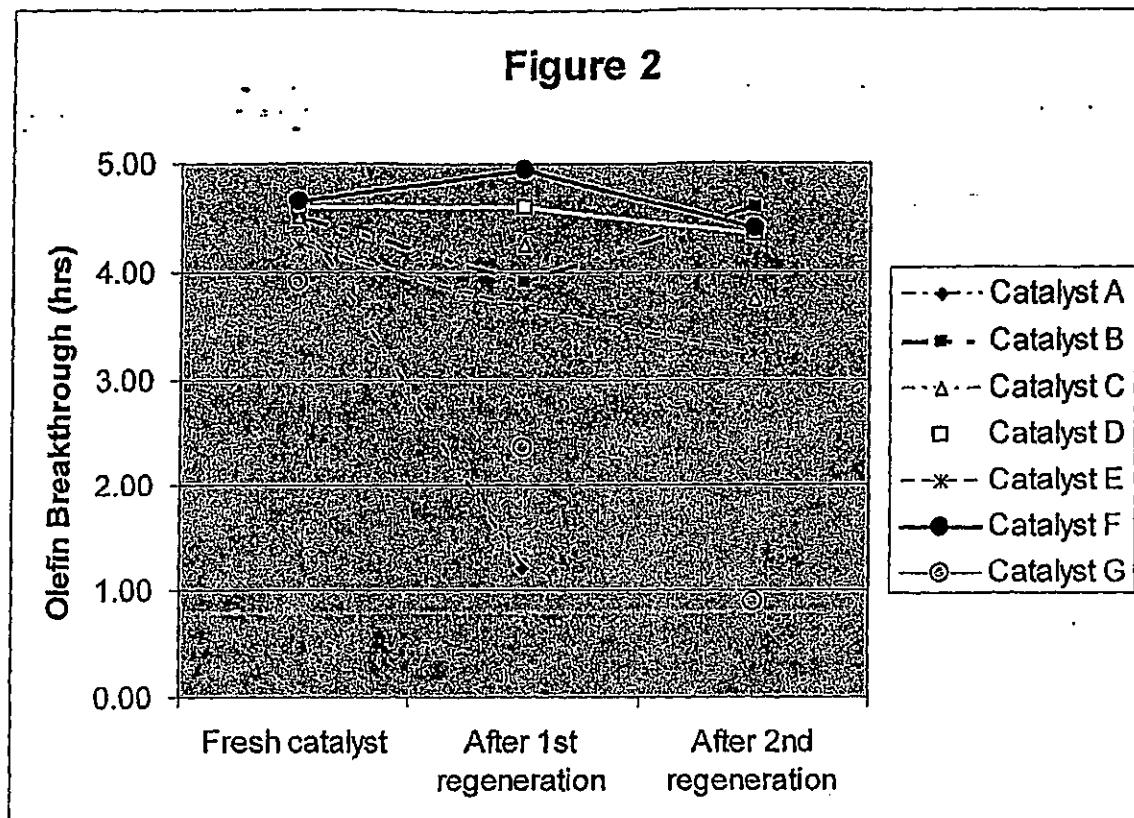


Figure 3: Experimental Procedures
(coking & H₂ regeneration)

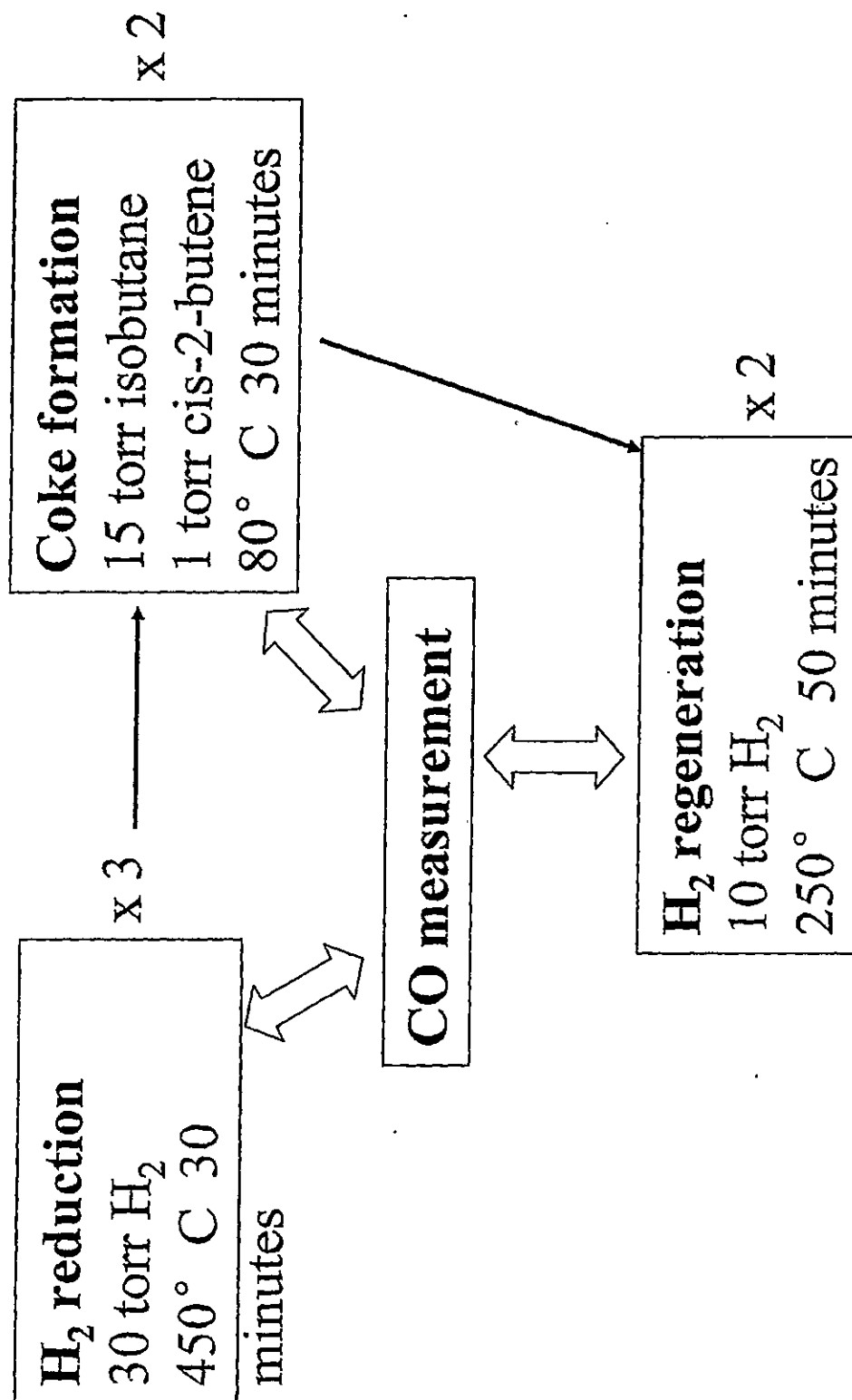


Figure 4: Characteristic Vibrational Features
of Coke and Precursors

Coke/Precursor Species	$\nu(\text{C}=\text{C})$ Mode
Olefinic	1635 cm^{-1}
Conjugated Olefinic	1560 cm^{-1}
Aromatic	1610 cm^{-1}
Polyaromatic / Pregraphitic	1585-1595 cm^{-1}
Graphite	1575 cm^{-1}

Figure 5: CO Chemisorption on "Coked"
0.35 wt% Pt/USY

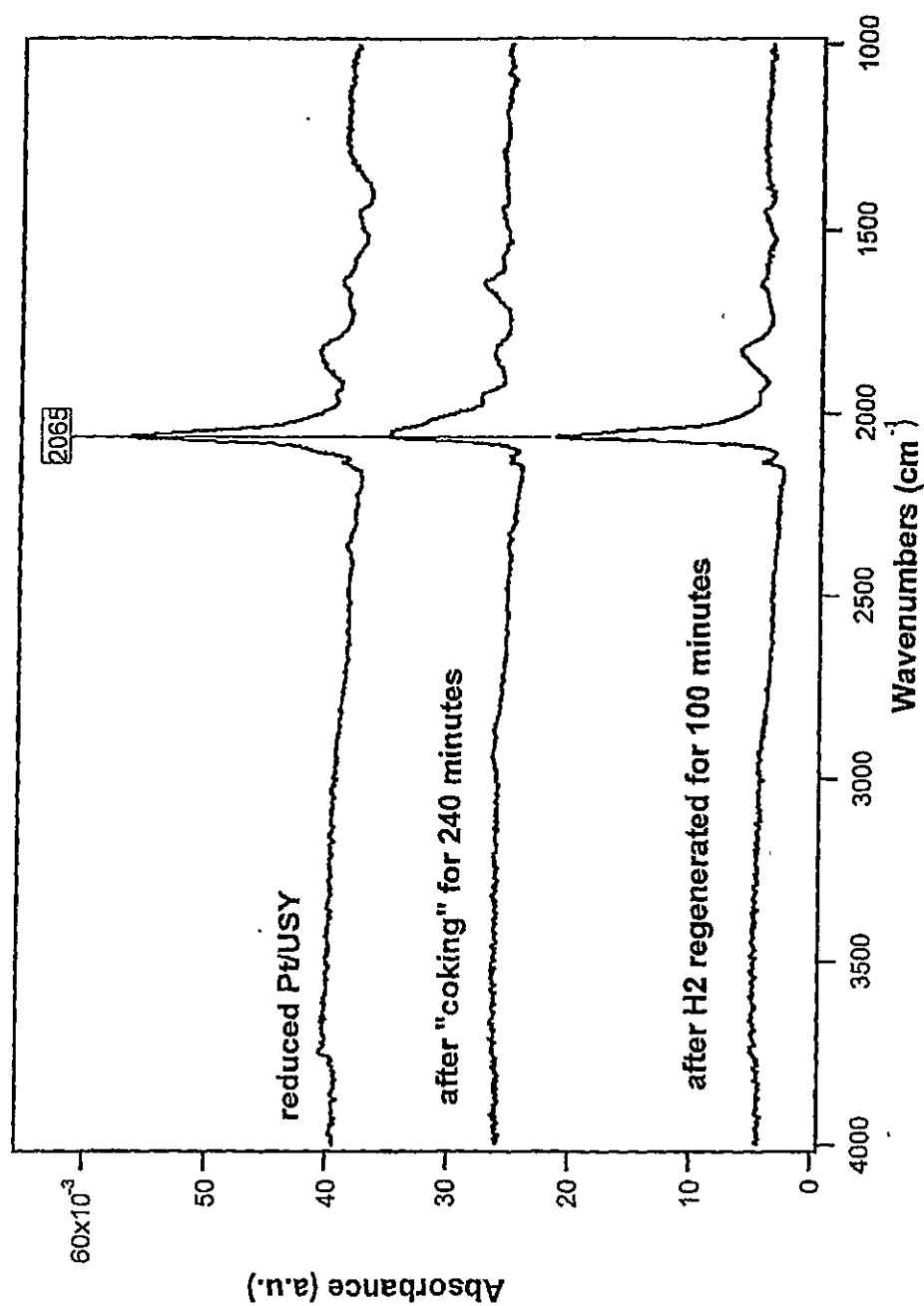


Figure 6: "Coke" Formation on
0.35 wt% Pt/USY

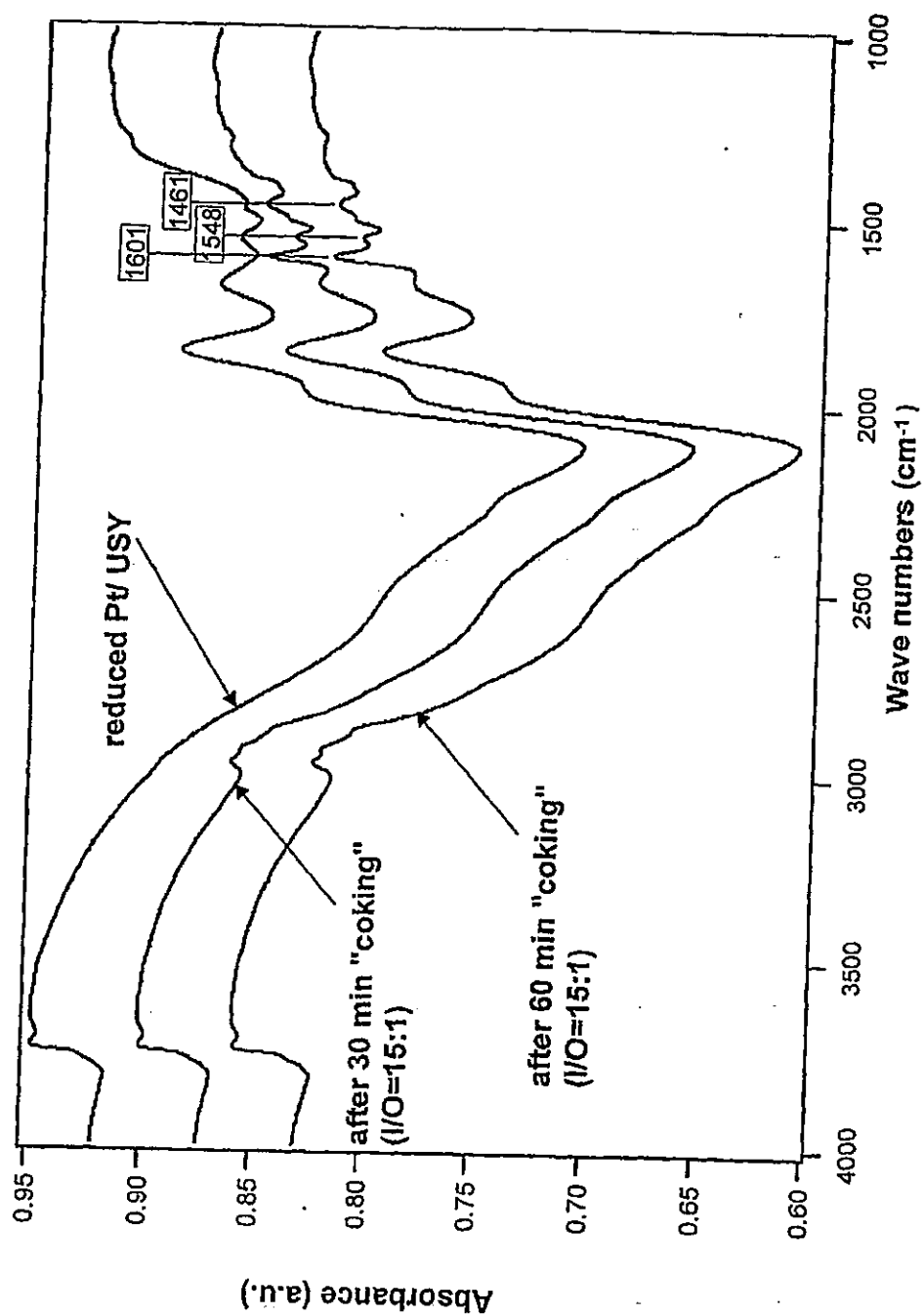


Figure 7: H₂ Regeneration of
0.35 wt% Pt/USY

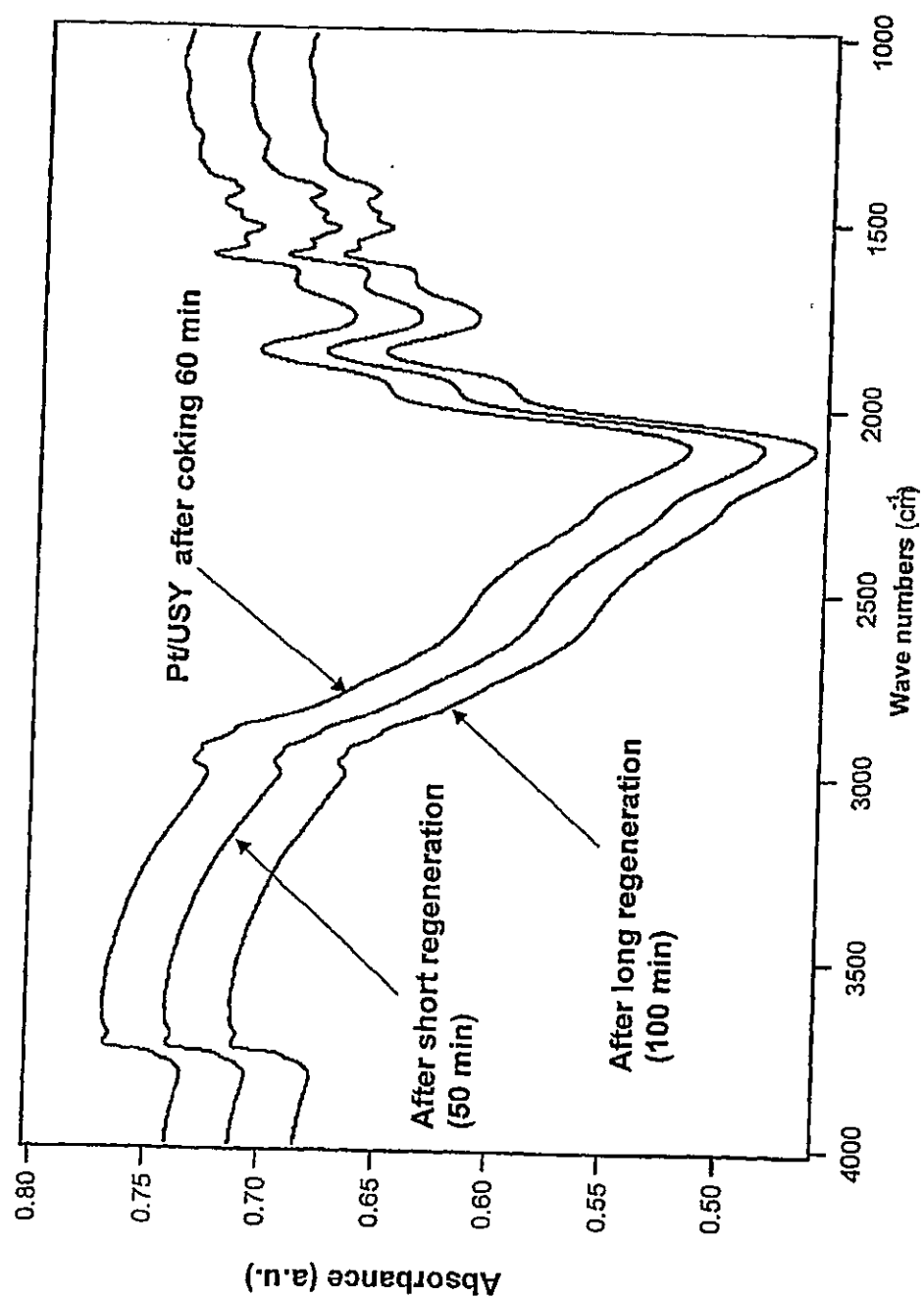


Figure 8: "Coke" Formation on
0.105 wt% Ni- 0.35 wt% Pt/USY

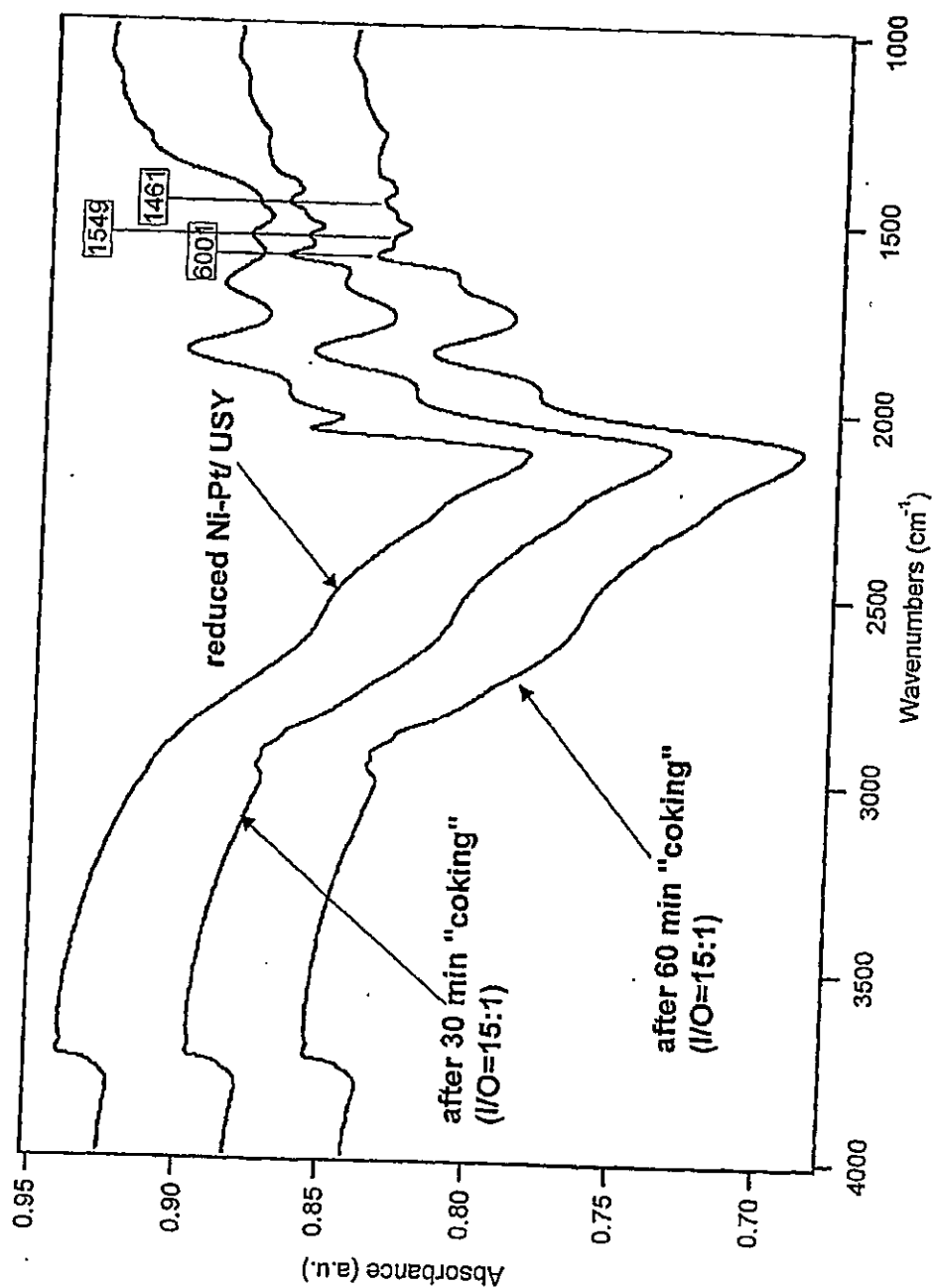


Figure 9: H₂ Regeneration of
0.105 wt% Ni- 0.35 wt% Pt/USY

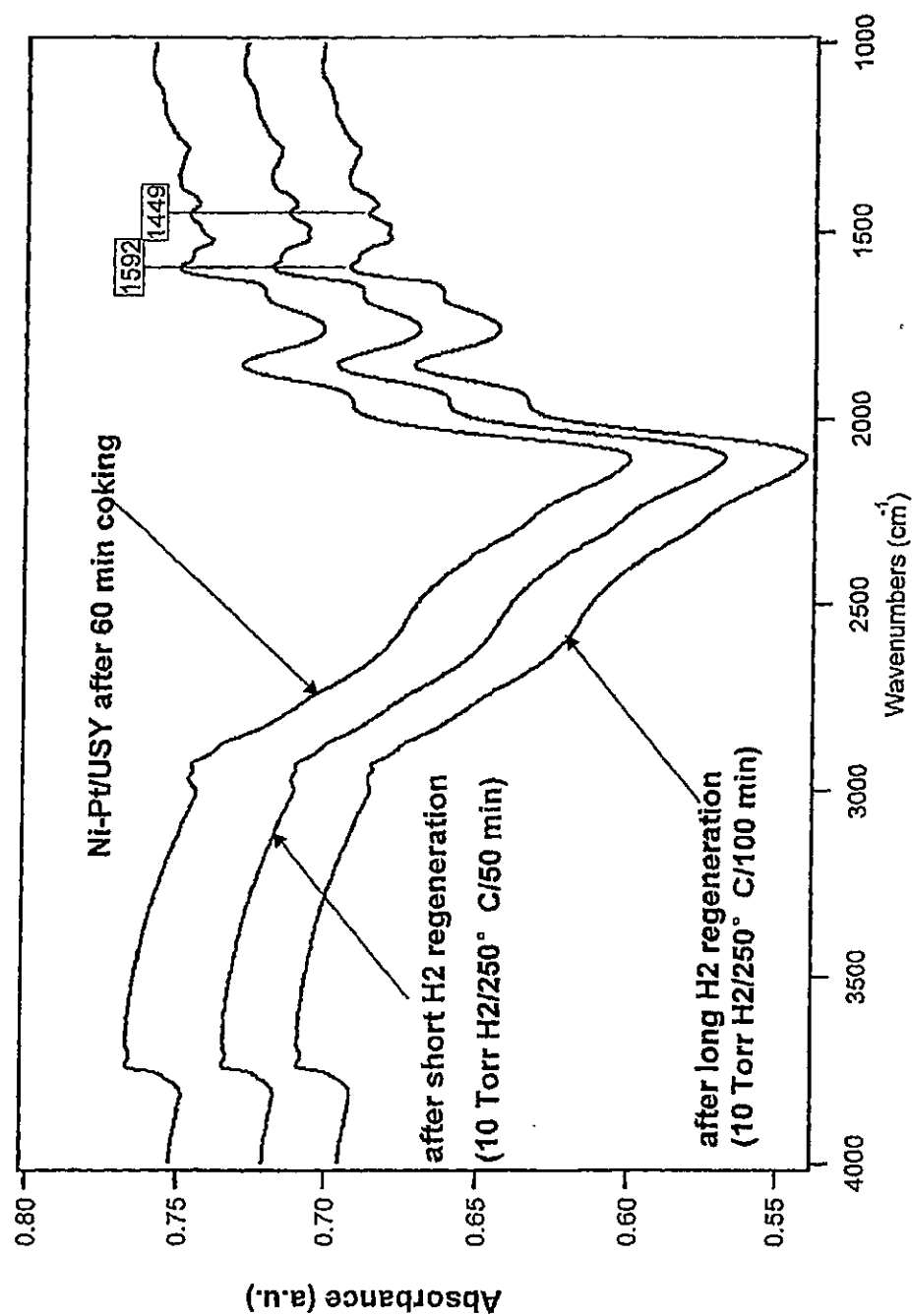


Figure 10: "Coke" Formation on
0.105 wt% Ni- 0.12 wt% Pt/USY

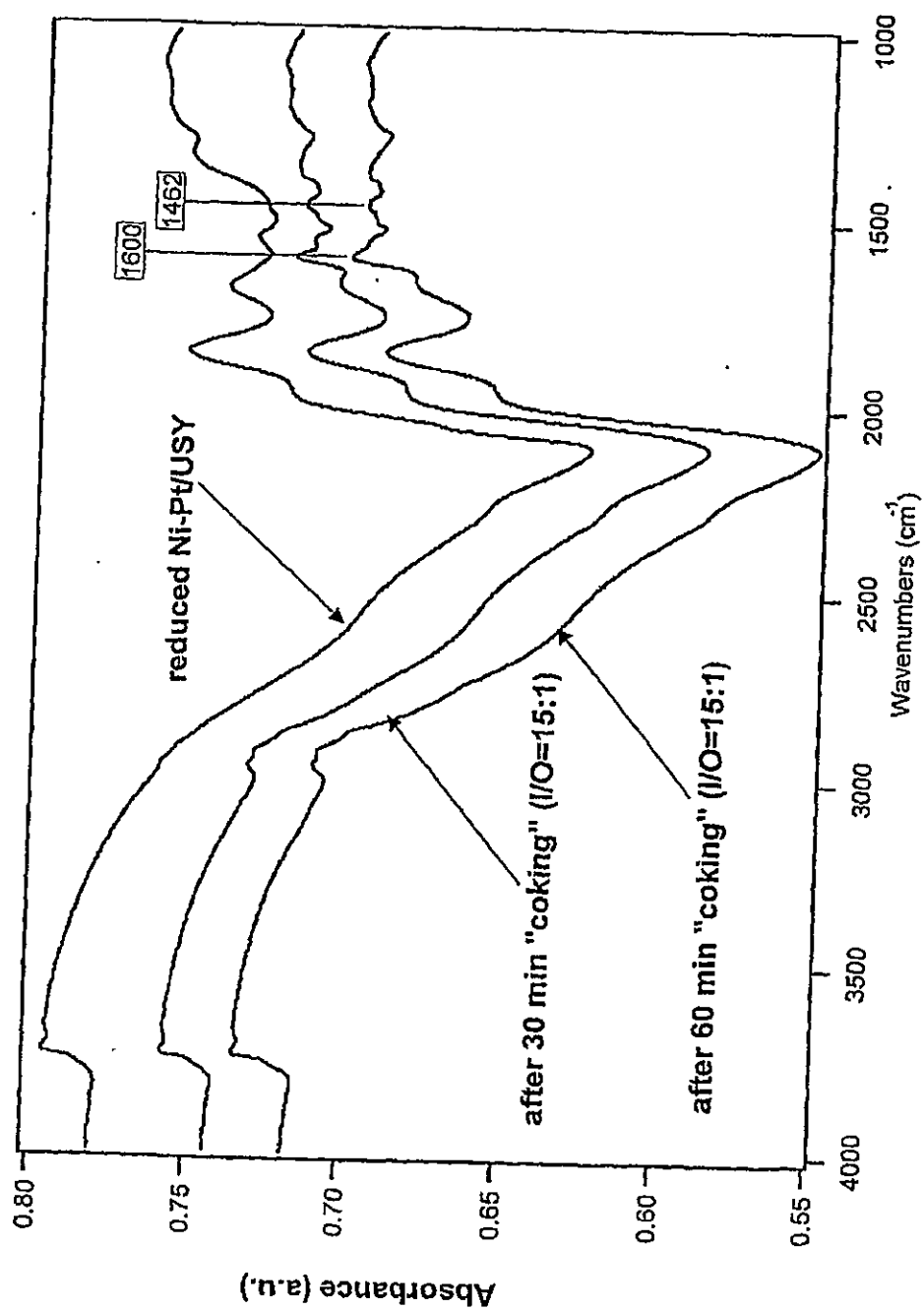


Figure 11: H₂ Regeneration of
0.105 wt% Ni- 0.12 wt% Pt/USY

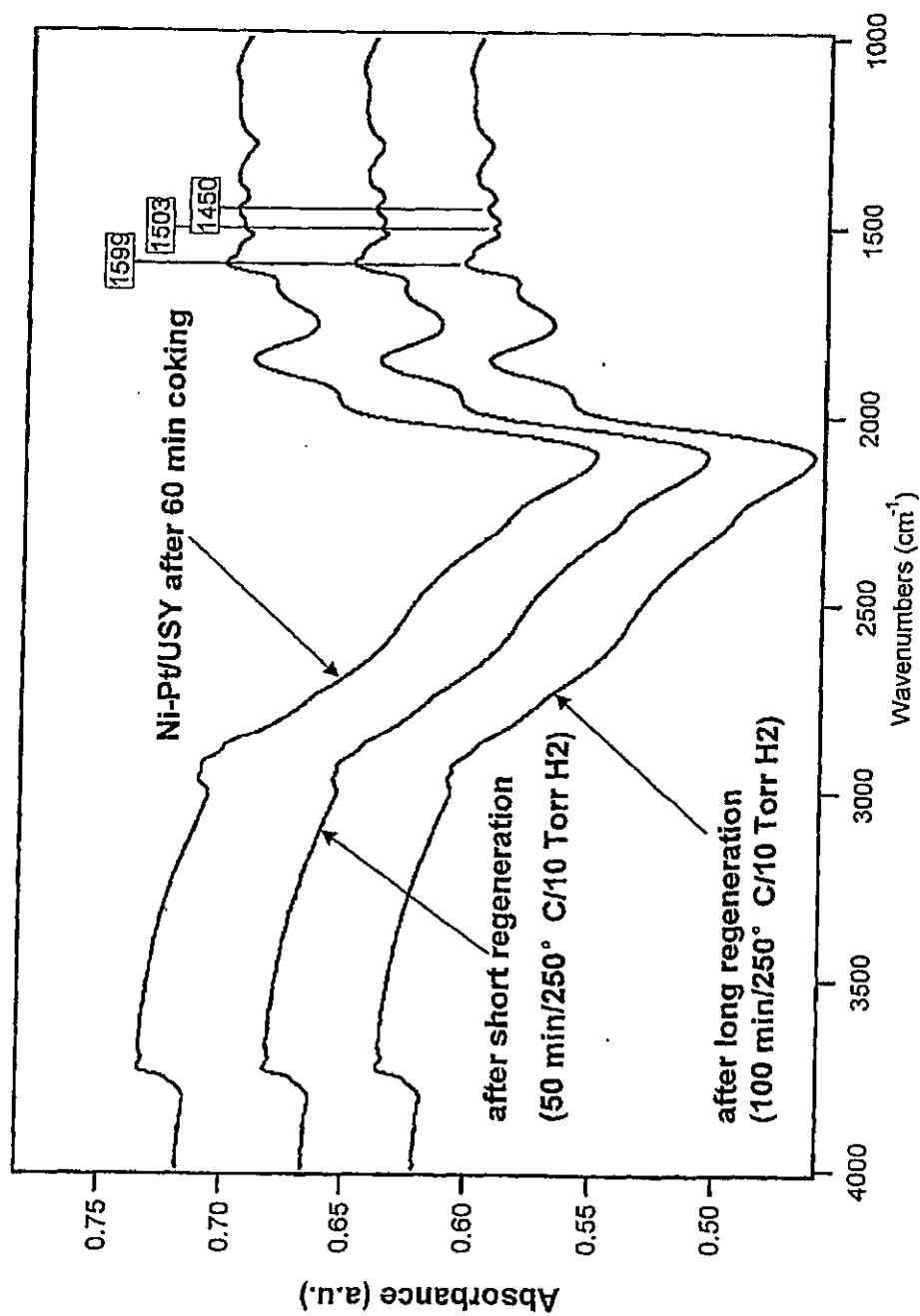


Figure 12: CO Chemisorption Capacity on Different Catalysts after 60 Minutes Coking

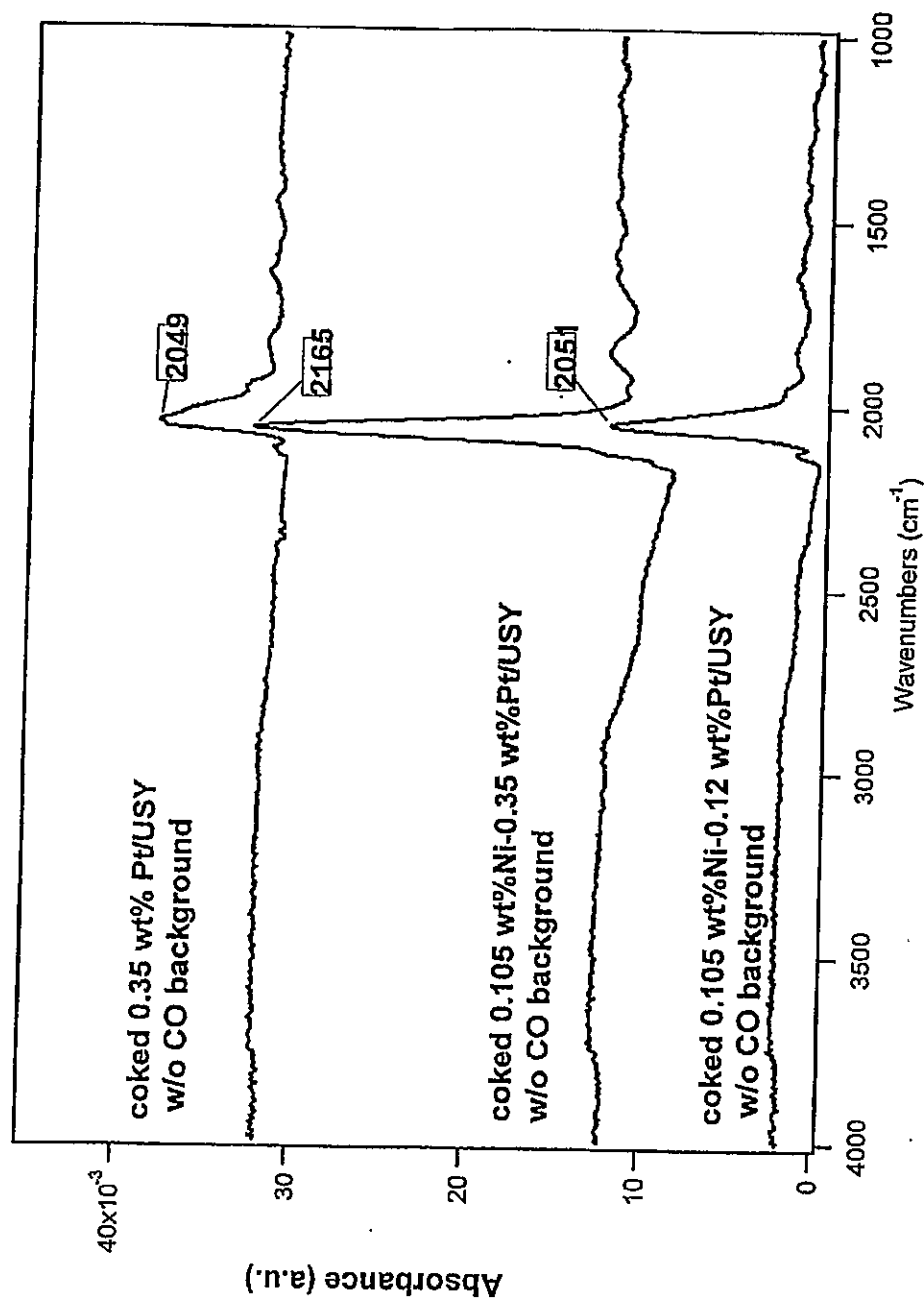


Figure 13: CO Chemisorption Capacity on Different Catalysts after 100 Minutes Regeneration

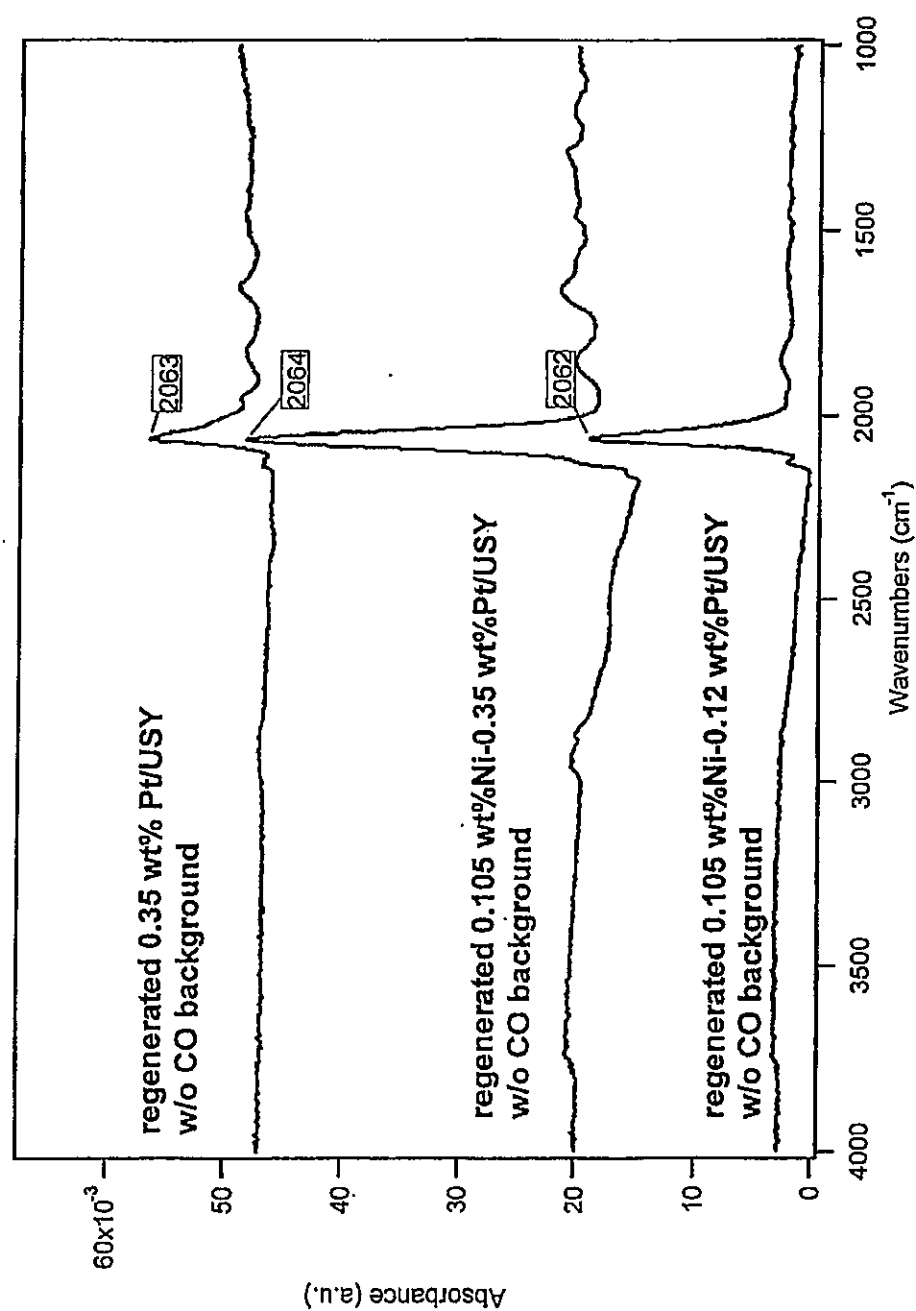


Figure 14: CO Adsorption Capacity: 0.15Pt,
0.12Pt-0.11Co and 0.12Pt-0.10Ni

