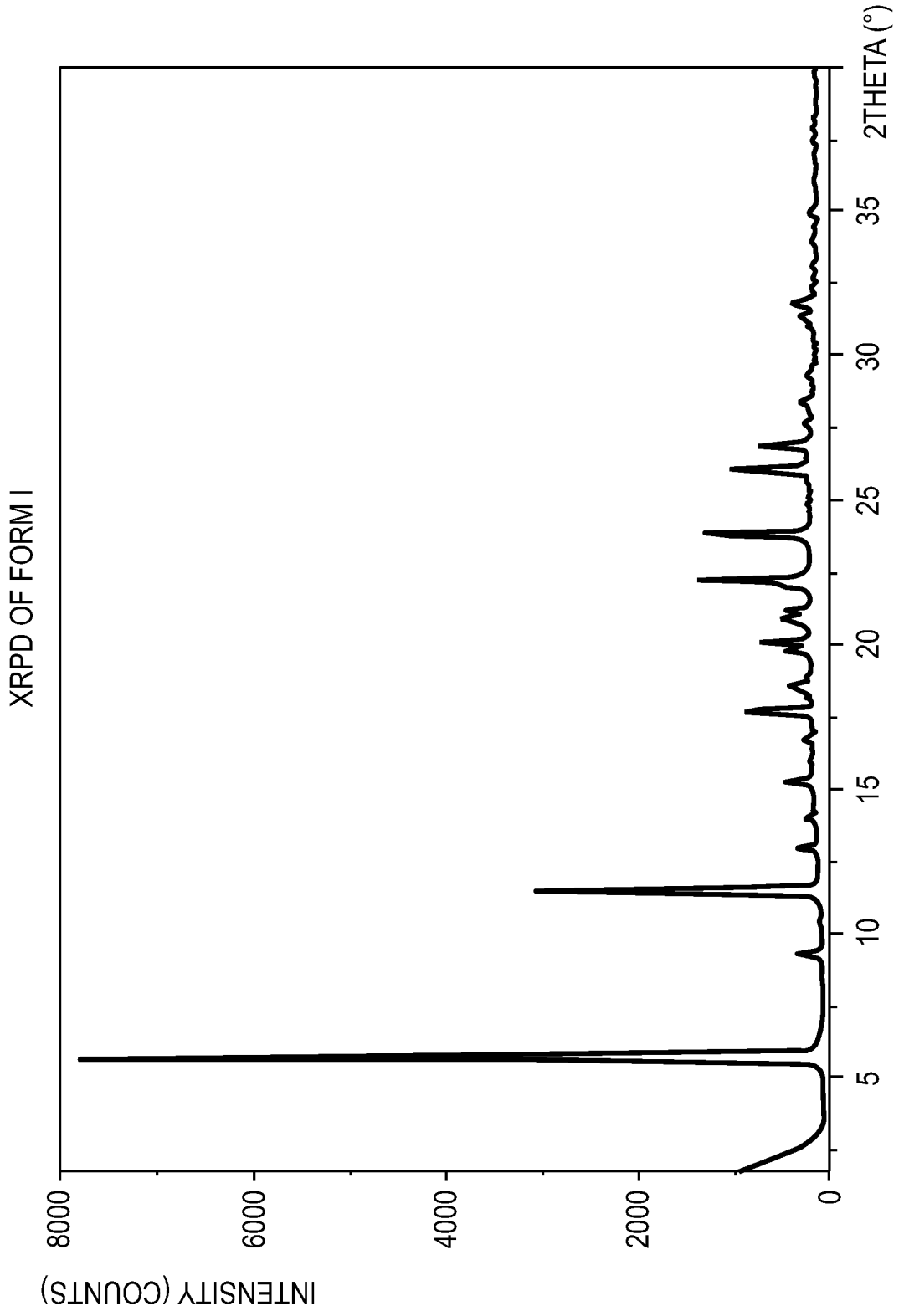
XRPD OF FORM I
INTENSITY (COUNTS)
8000
6000
4000
2000
0
5
10
15
20
25
30
35
2THETA (°)

FIG. 1

XRPD PEAK LIST OF FORM I

PEAK POSITION [°2-THETA]	RELATIVE INTENSITY [%]
5.83	100.0
11.42	26.2
11.55	37.9
17.74	10.0
20.09	7.7
20.92	4.9
22.28	16.3
23.87	14.6
26.01	11.9
26.79	7.8

FIG. 2

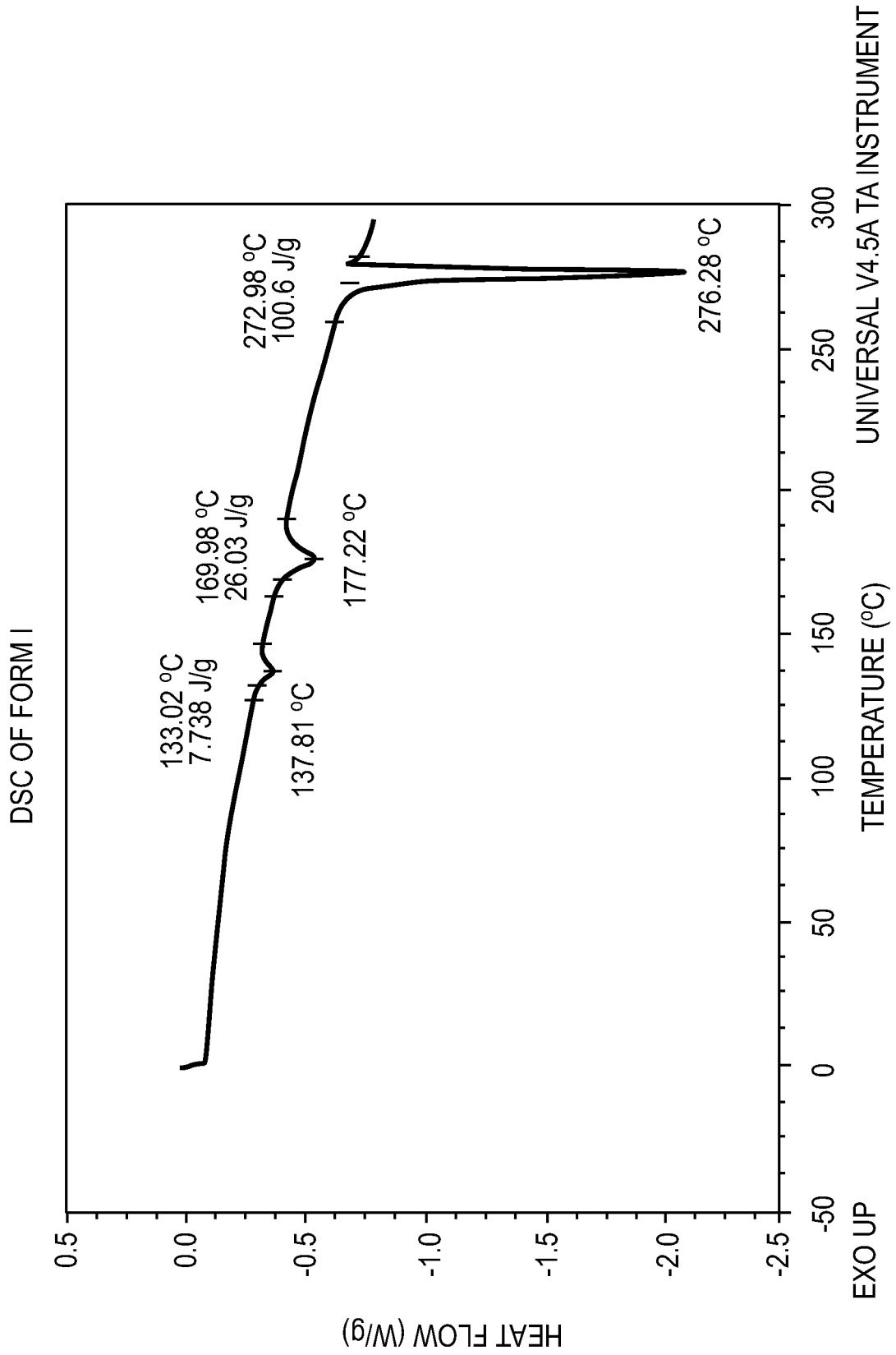
DSC OF FORM I
133.02 °C
7.738 J/g
137.81 °C
169.98 °C
26.03 J/g
177.22 °C
272.98 °C
100.6 J/g
276.28 °C
UNIVERSAL V4.5A TA INSTRUMENT
TEMPERATURE (°C)
HEAT FLOW (W/g)
EXO UP
0.5
0.0
-0.5
-1.0
-1.5
-2.0
-2.5
-50
0
50
100
150
200
250
300

FIG. 3

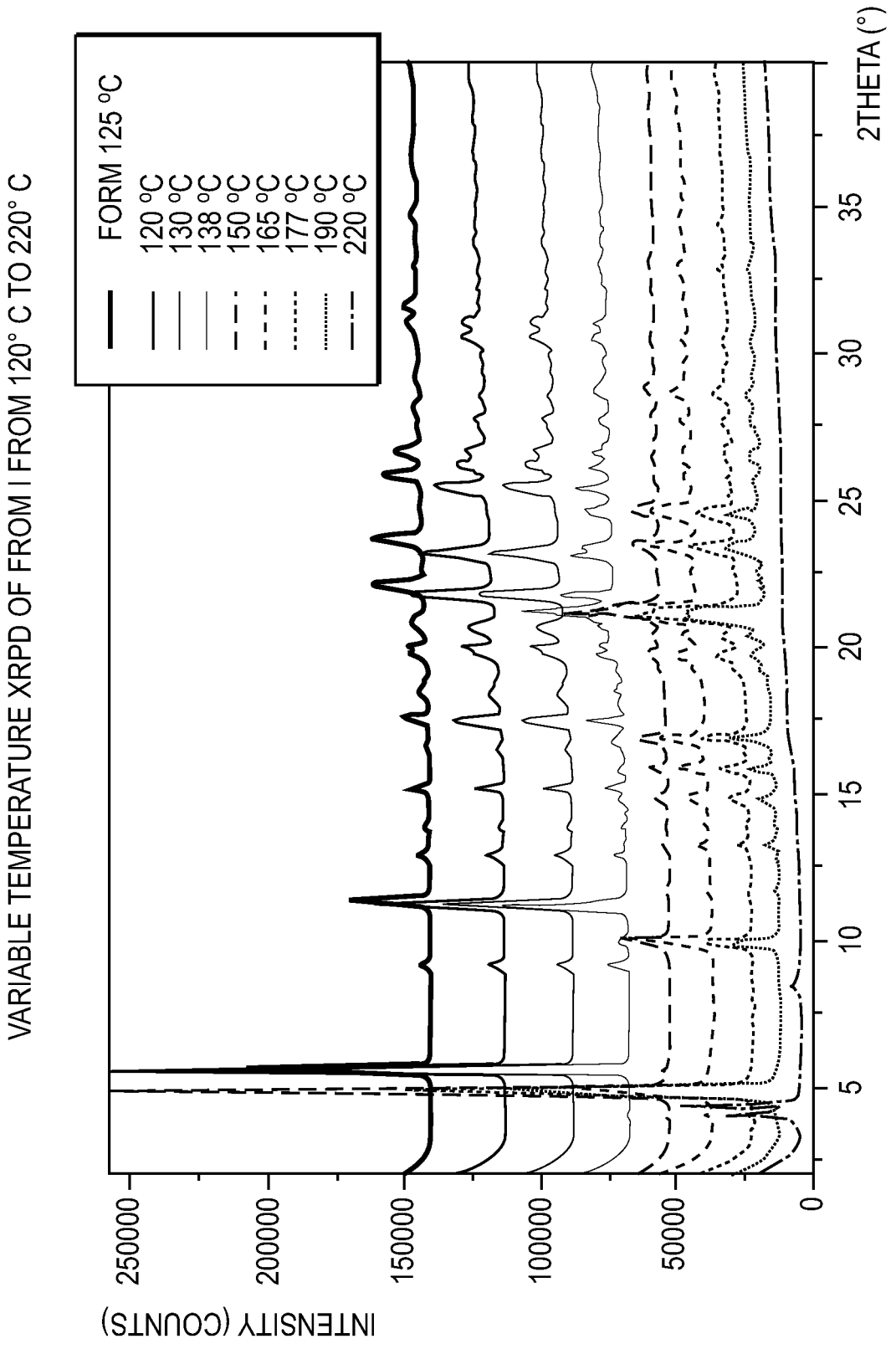
VARIABLE TEMPERATURE XRPD OF FROM I FROM 120° C TO 220° C
FORM 125 °C
120 °C
130 °C
138 °C
150 °C
165 °C
177 °C
190 °C
220 °C
INTENSITY (COUNTS)
250000
200000
150000
100000
50000
0
5
10
15
20
25
30
35
2THETA (°)

FIG. 4

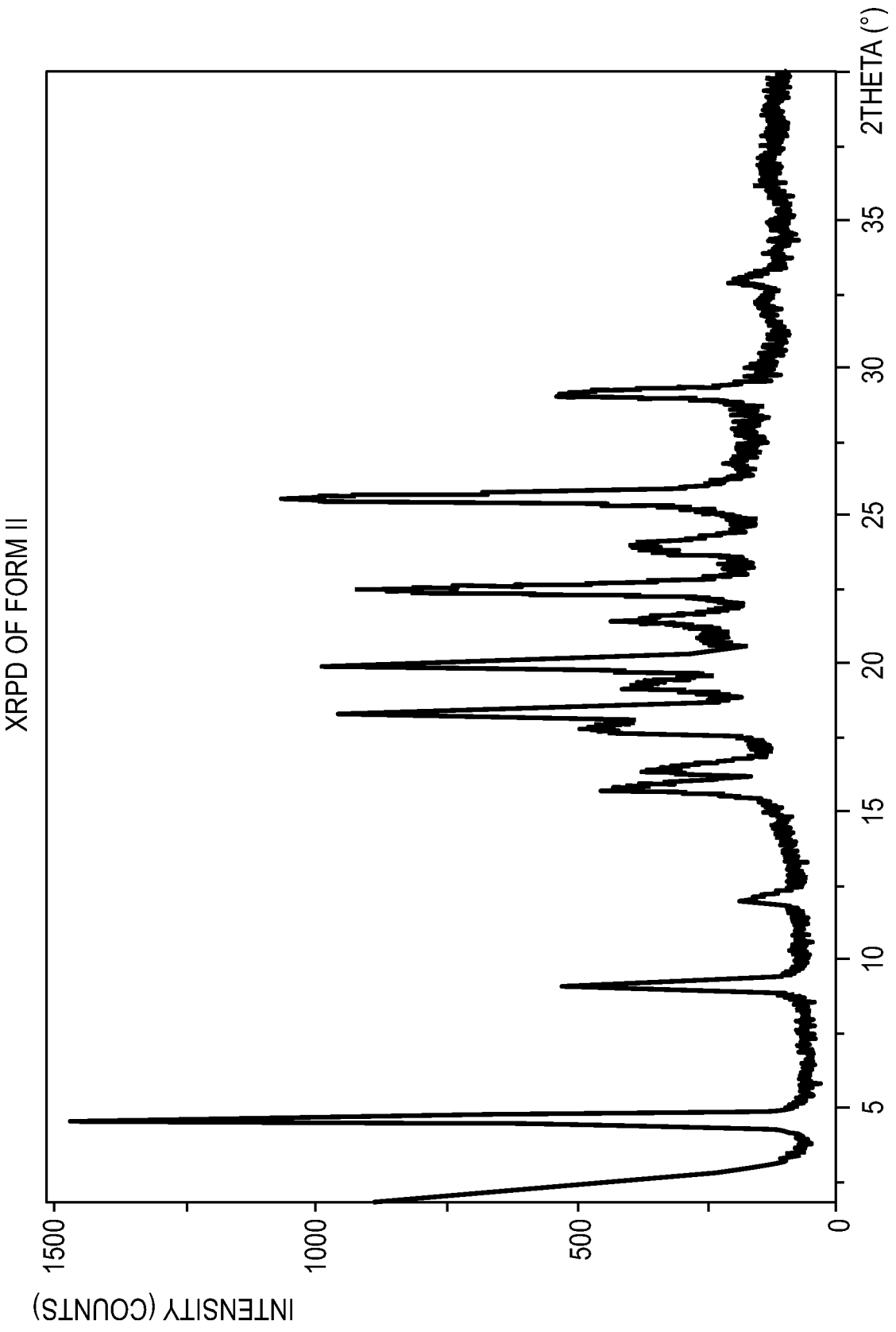
XRPD OF FORM II
INTENSITY (COUNTS)
1500
1000
500
0
5
10
15
20
25
30
35
2THETA (°)

FIG. 5

XRPD PEAK LIST OF FORM II

PEAK POSITION [°2-THETA]	RELATIVE INTENSITY [%]
4.63	100.0
9.17	34.5
15.76	23.9
17.77	25.7
18.32	58.2
19.17	20.8
19.93	58.7
22.42	51.3
25.53	65.5
29.05	27.0

FIG. 6

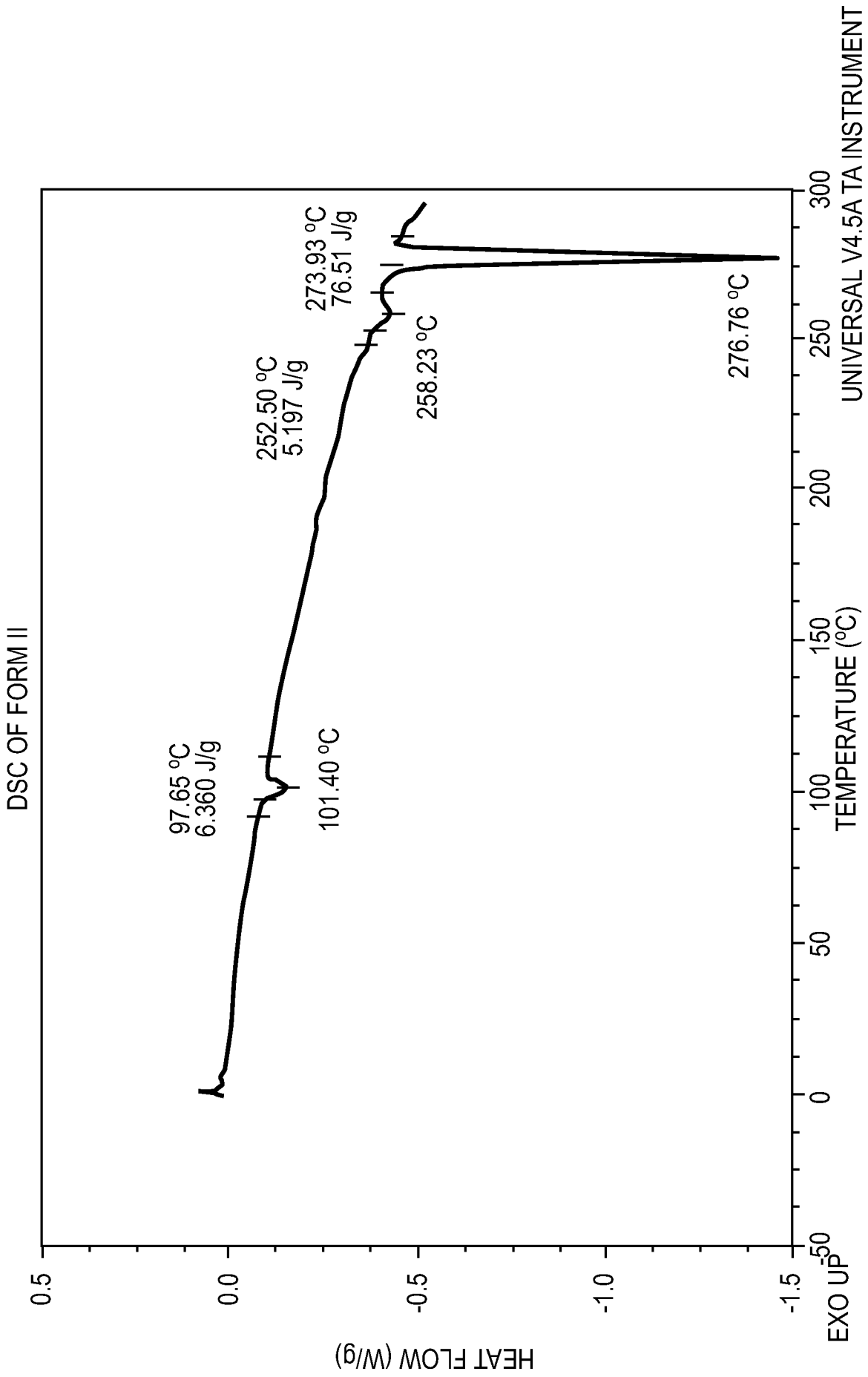
DSC OF FORM II
97.65 °C
6.360 J/g
101.40 °C
252.50 °C
5.197 J/g
273.93 °C
76.51 J/g
258.23 °C
276.76 °C
UNIVERSAL V4.5A TA INSTRUMENT
TEMPERATURE (°C)
HEAT FLOW (W/g)
EXO UP
0.5
0.0
-0.5
-1.0
-1.5
-50
0
50
100
150
200
250
300

FIG. 7

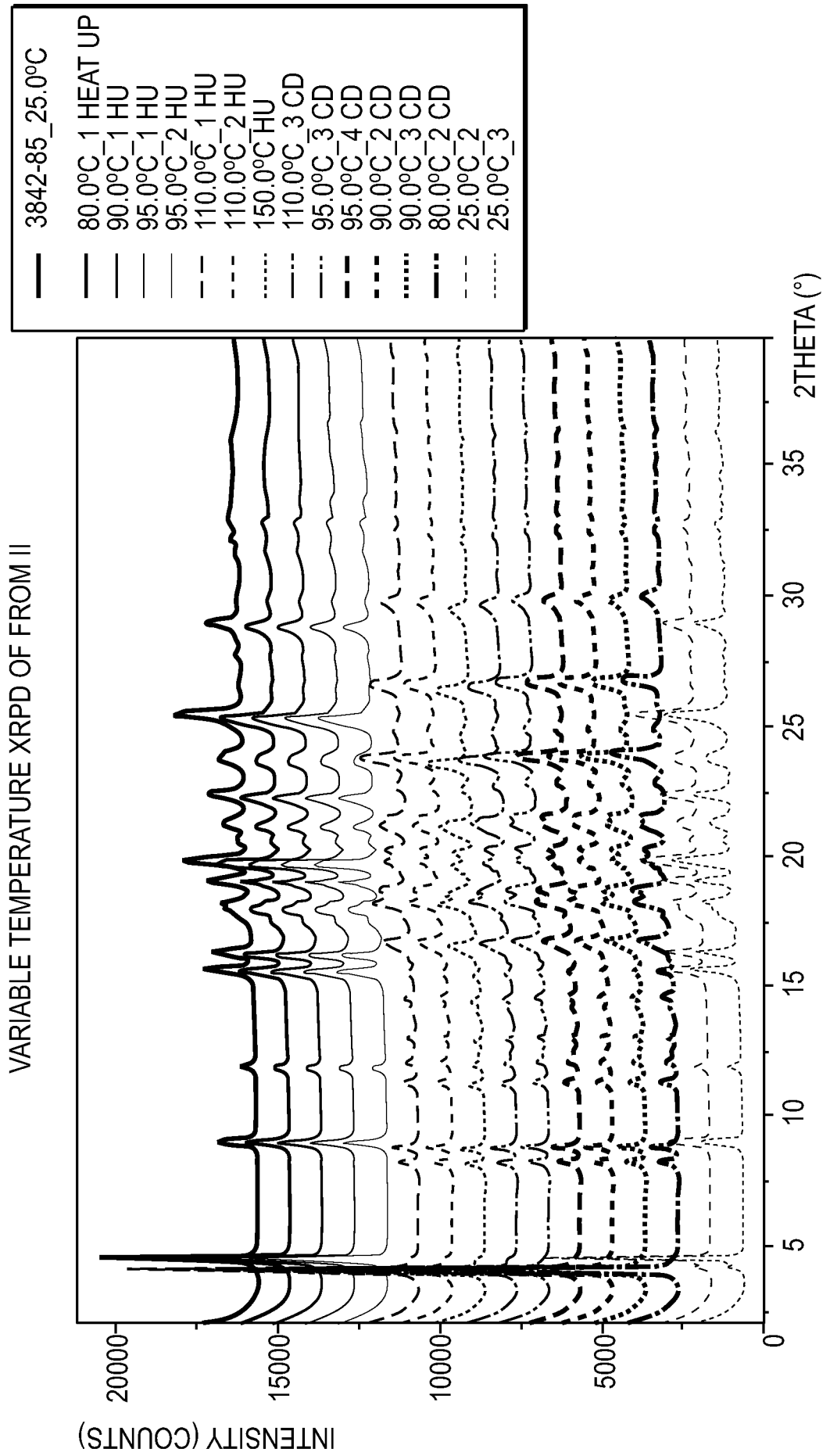
VARIABLE TEMPERATURE XRPD OF FROM II
3842-85_25.0°C
80.0°C_1 HEAT UP
90.0°C_1 HU
95.0°C_1 HU
95.0°C_2 HU
110.0°C_1 HU
110.0°C_2 HU
150.0°C HU
110.0°C_3 CD
95.0°C_3 CD
95.0°C_4 CD
90.0°C_2 CD
90.0°C_3 CD
80.0°C_2 CD
25.0°C_2
25.0°C_3
INTENSITY (COUNTS)
20000
15000
10000
5000
0
5
10
15
20
25
30
35
2THETA (°)

FIG. 8

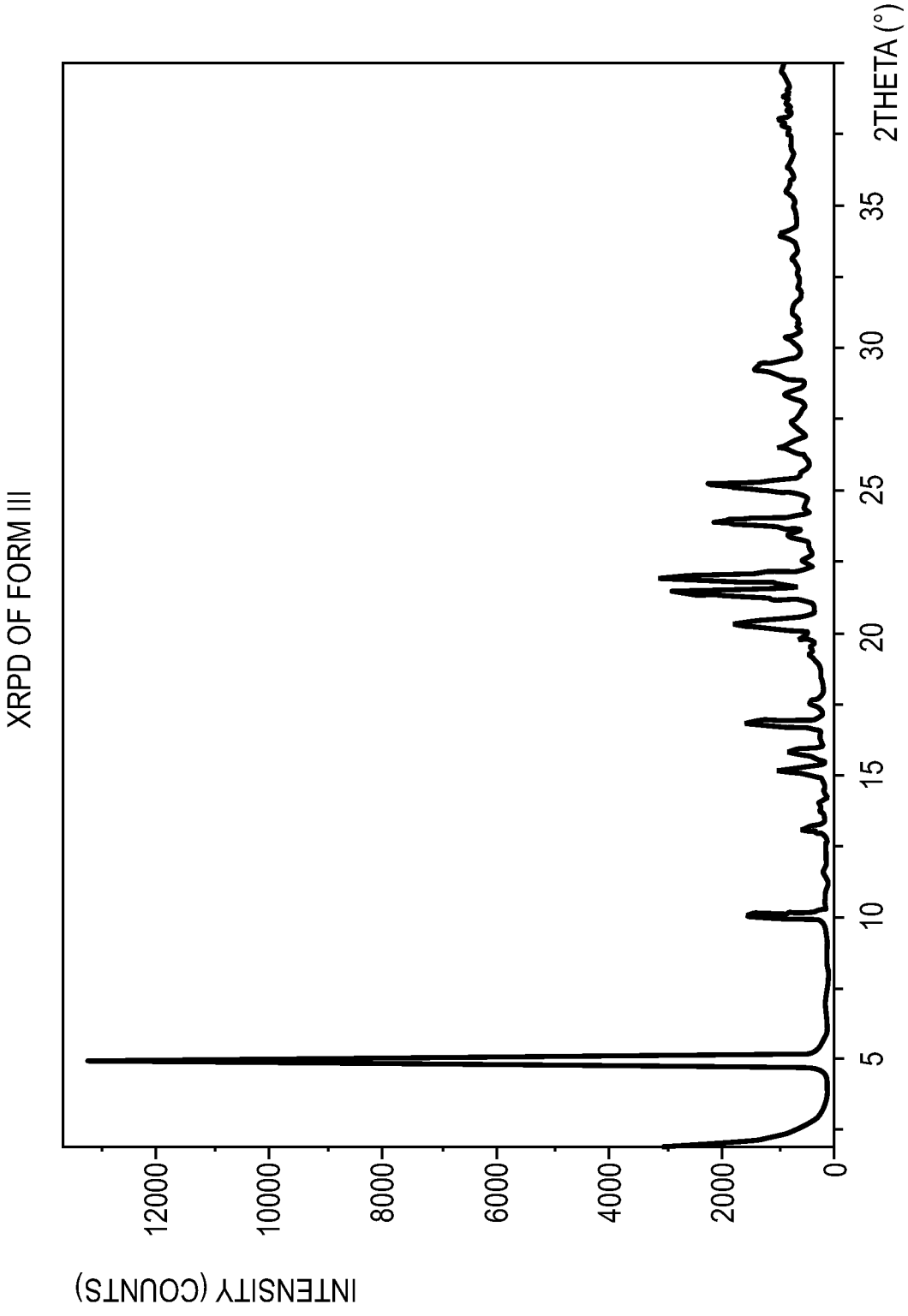
XRPD OF FORM III
INTENSITY (COUNTS)
12000
10000
8000
6000
4000
2000
0
5
10
15
20
25
30
35
2THETA (°)

FIG. 9

XRPD PEAK LIST OF FORM III

PEAK POSITION [°2-THETA]	RELATIVE INTENSITY [%]
5.04	100.0
10.10	11.1
15.18	6.4
16.88	10.0
20.29	11.0
21.47	17.6
21.95	21.4
23.93	12.3
25.23	12.6
29.44	5.4

FIG. 10

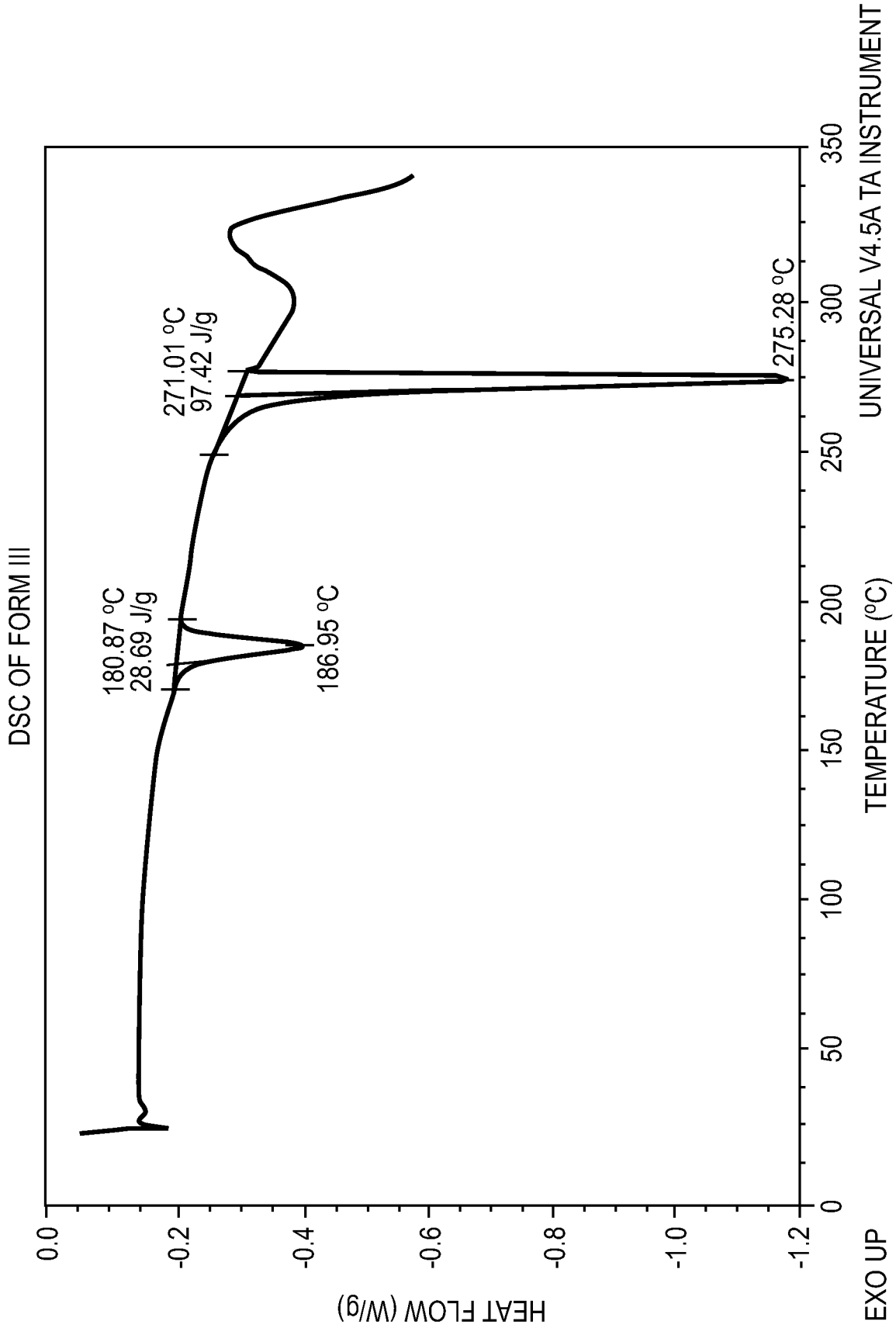
DSC OF FORM III
180.87 °C
28.69 J/g
186.95 °C
271.01 °C
97.42 J/g
275.28 °C
UNIVERSAL V4.5A TA INSTRUMENT
TEMPERATURE (°C)
HEAT FLOW (W/g)
EXO UP
0.0
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
0
50
100
150
200
250
300
350

FIG. 11

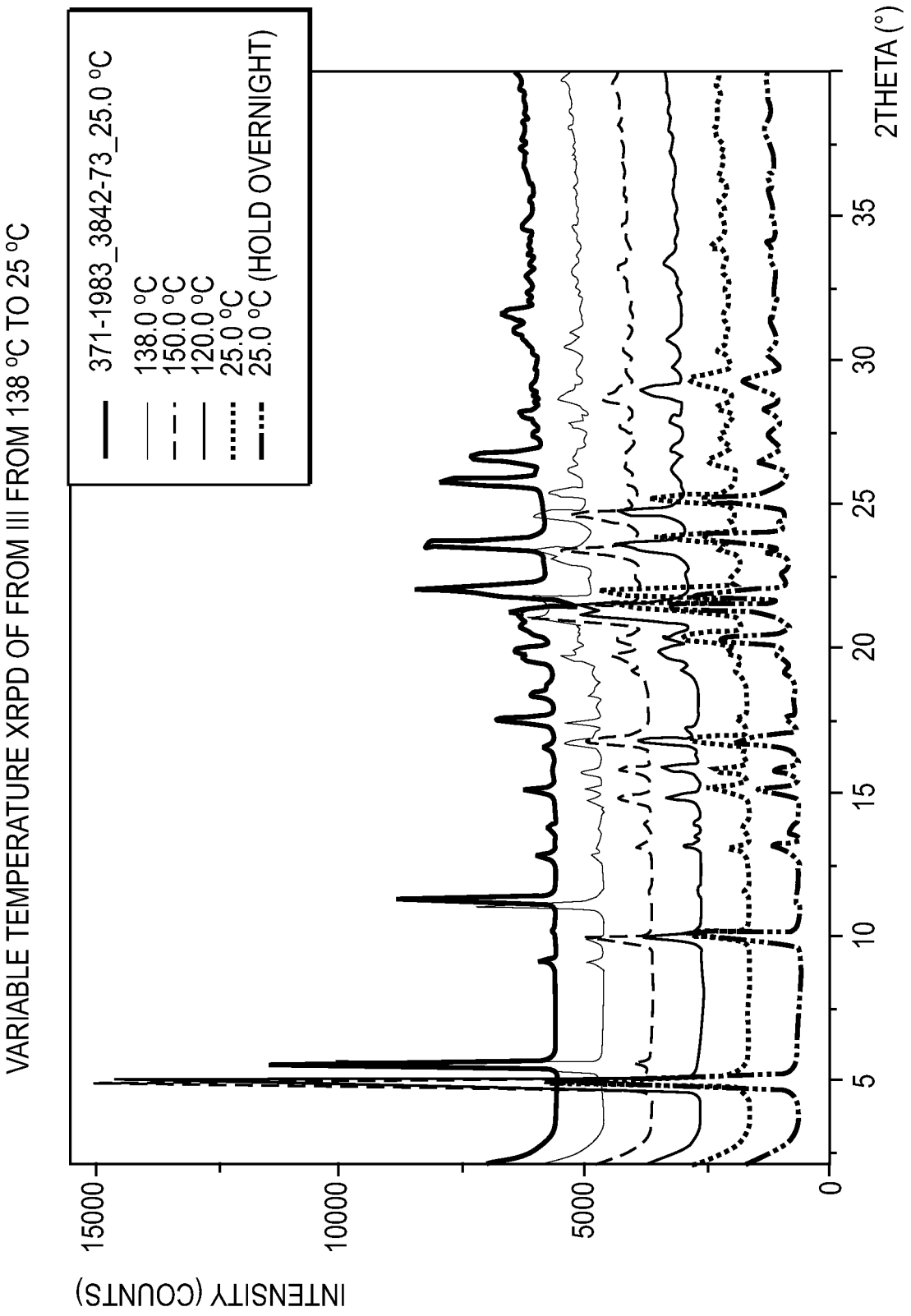
VARIABLE TEMPERATURE XRPD OF FROM III FROM 138 °C TO 25 °C
371-1983_3842-73_25.0 °C
138.0 °C
150.0 °C
120.0 °C
25.0 °C
25.0 °C (HOLD OVERNIGHT)
INTENSITY (COUNTS)
15000
10000
5000
0
5
10
15
20
25
30
35
2THETA (°)

FIG. 12

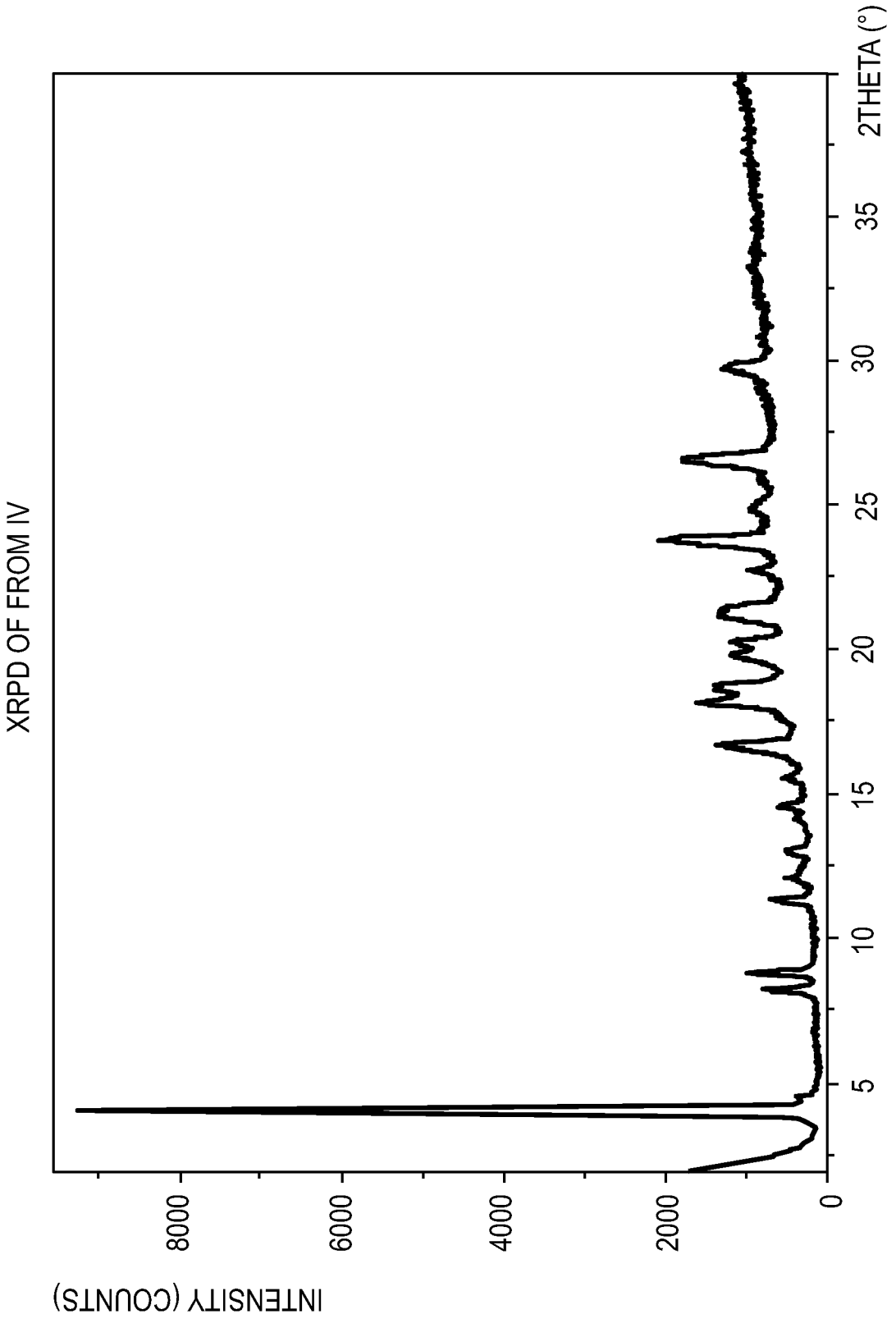
XRPD OF FROM IV
INTENSITY (COUNTS)
8000
6000
4000
2000
0
5
10
15
20
25
30
35
2THETA (°)

FIG. 13

XRPD PEAK LIST OF FORM IV

PEAK POSITION [°2-THETA]	RELATIVE INTENSITY [%]
4.14	100.0
8.78	9.3
16.77	8.5
18.14	12.4
18.74	10.3
19.74	8.2
21.08	9.1
21.41	8.3
23.80	16.0
26.64	11.9

FIG. 14

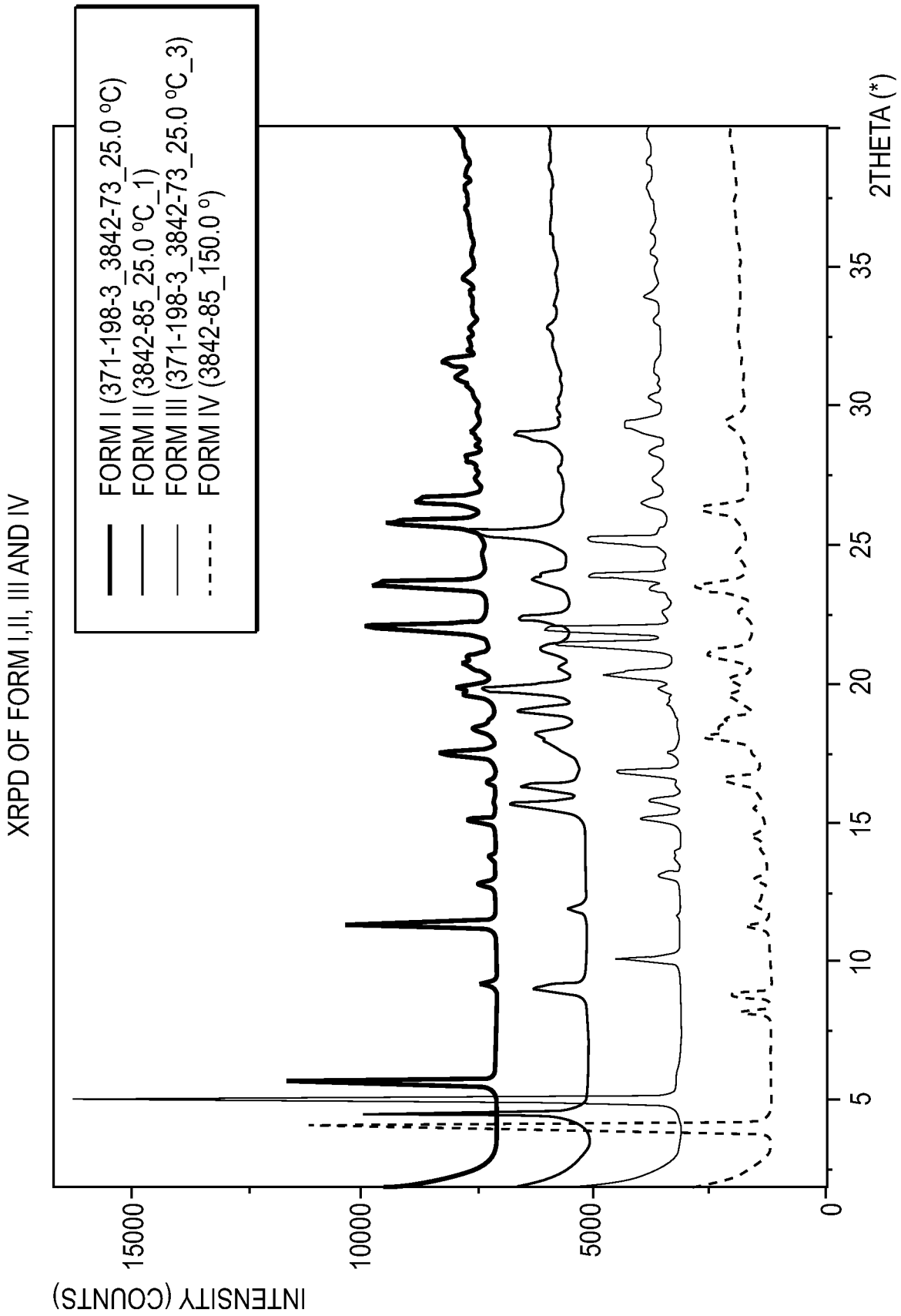
XRPD OF FORM I,II, III AND IV
FORM I (371-198-3_3842-73_25.0 °C)
FORM II (3842-85_25.0 °C_1)
FORM III (371-198-3_3842-73_25.0 °C_3)
FORM IV (3842-85_150.0 °)
INTENSITY (COUNTS)
15000
10000
5000
0
5
10
15
20
25
30
35
2THETA (°)

FIG. 15

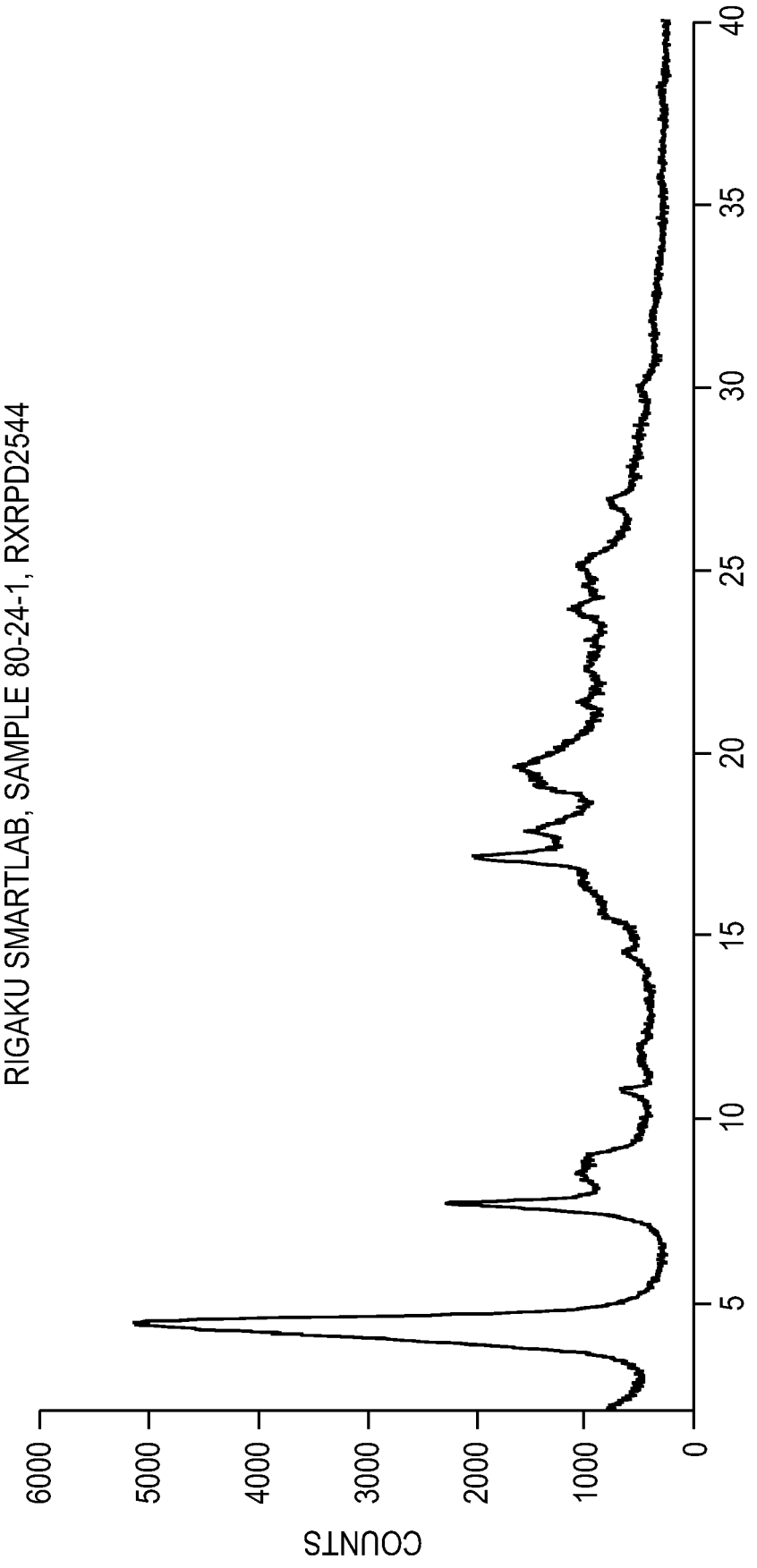
XRPD OF FORM V
RIGAKU SMARTLAB, SAMPLE 80-24-1, RXRPD2544
COUNTS
6000
5000
4000
3000
2000
1000
0
5
10
15
20
25
30
35
40
DEGREES TWO THETA

FIG. 16

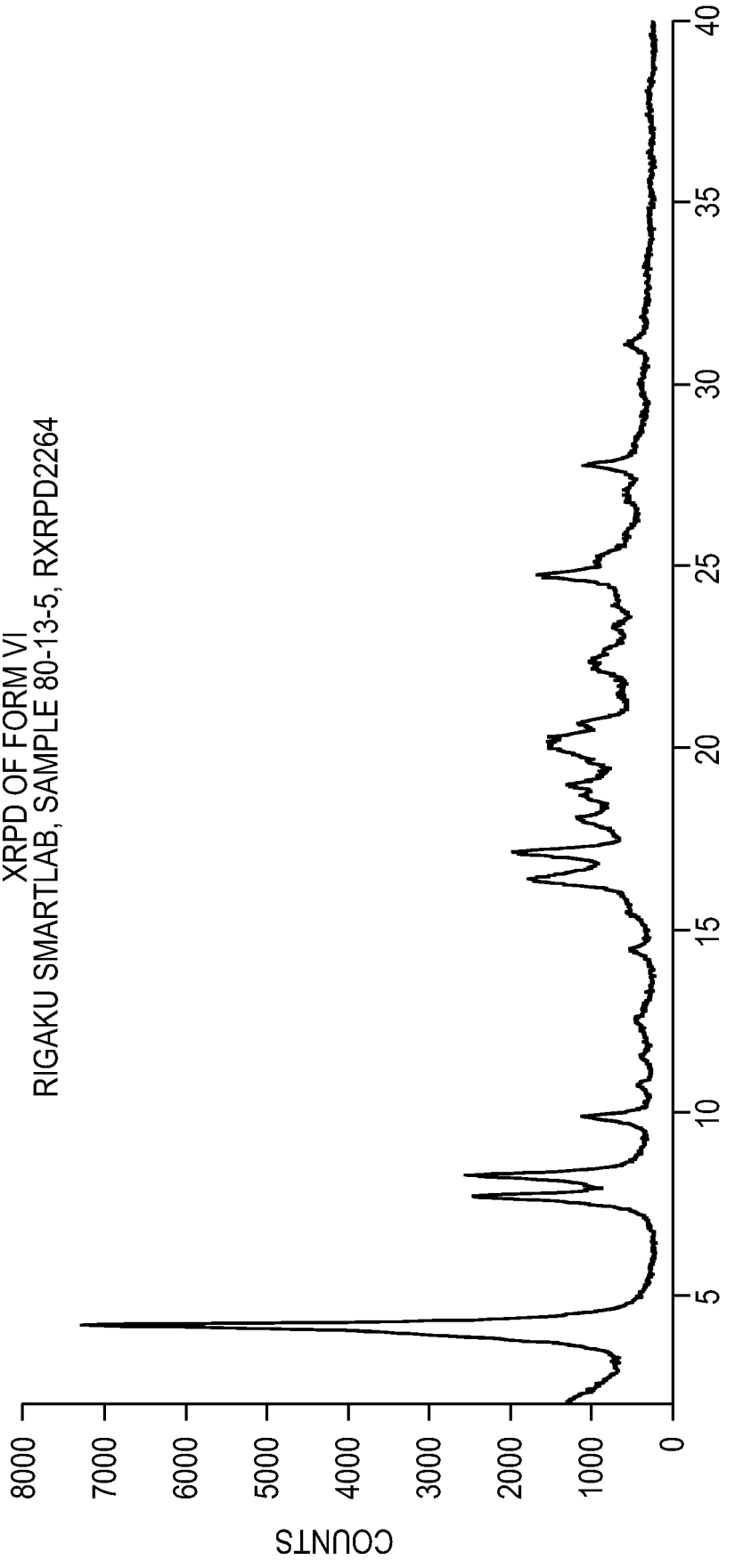
XRPD OF FORM VI
RIGAKU SMARTLAB, SAMPLE 80-13-5, RXRPD2264
COUNTS
8000
7000
6000
5000
4000
3000
2000
1000
0
5
10
15
20
25
30
35
40
DEGREES TWO THETA

FIG. 17

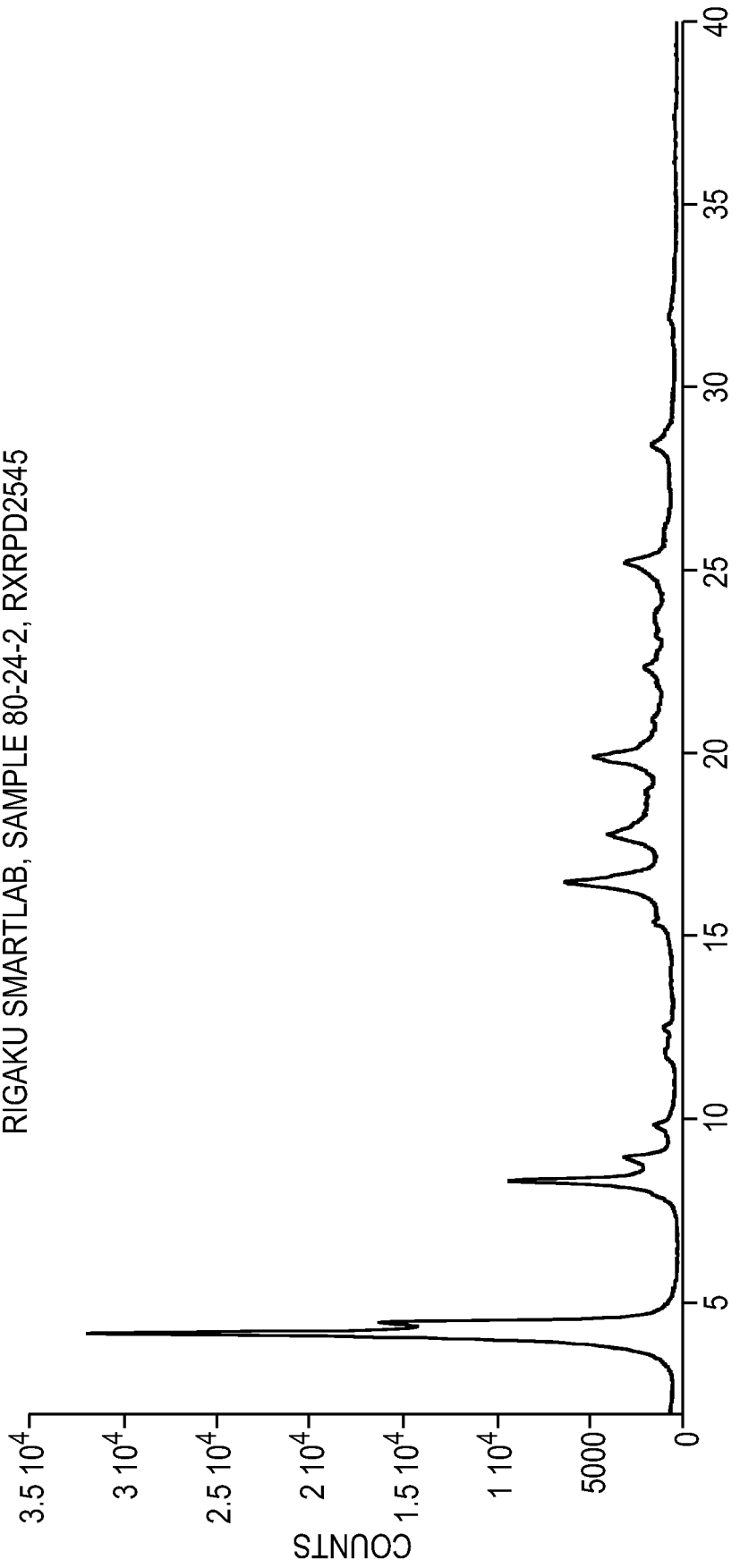
XRPD OF FORM VII
RIGAKU SMARTLAB, SAMPLE 80-24-2, RXRPD2545
COUNTS
3.5 10^4
3 10^4
2.5 10^4
2 10^4
1.5 10^4
1 10^4
5000
0
5
10
15
20
25
30
35
40
DEGREES TWO THETA

FIG. 18

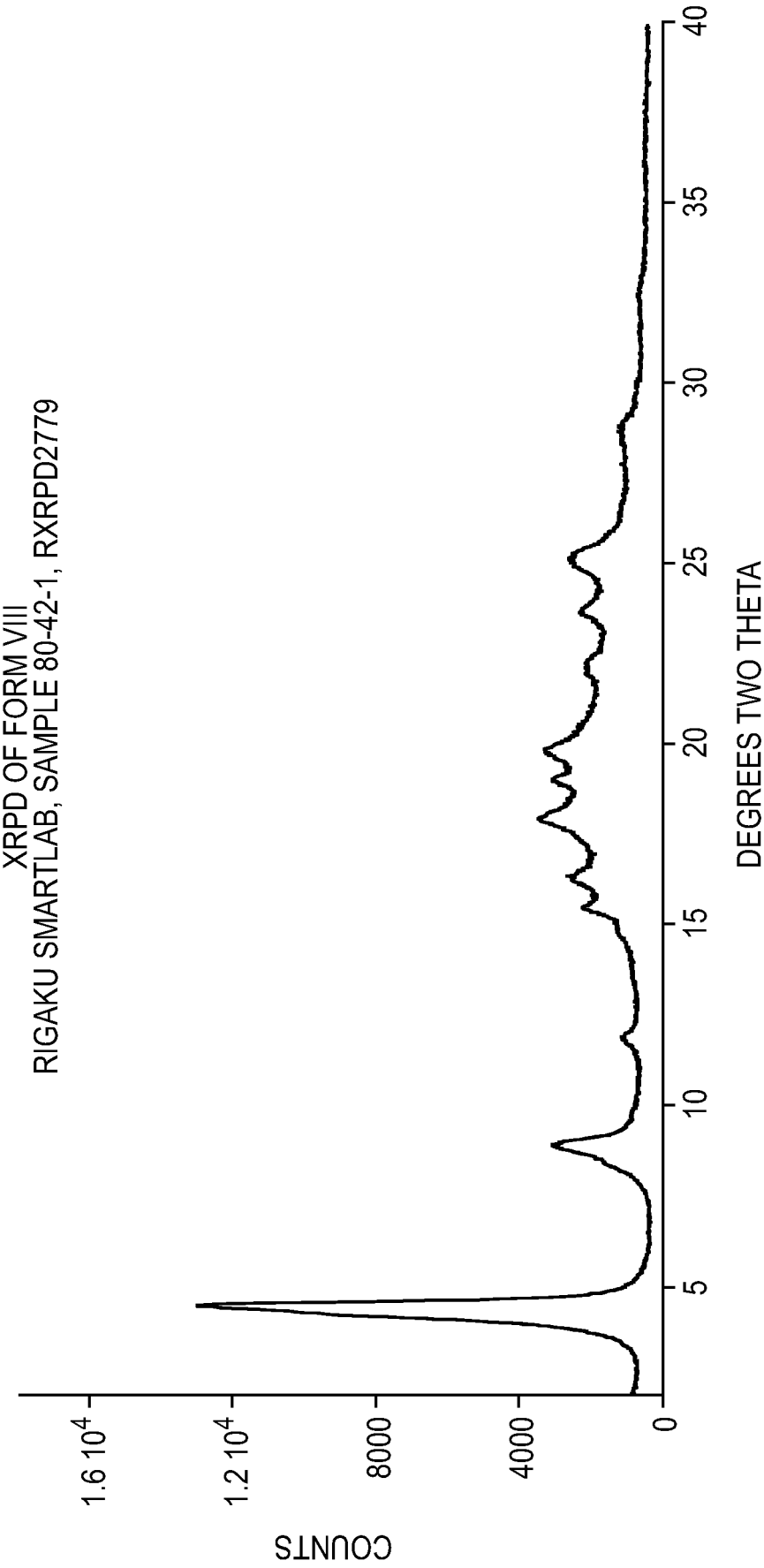
XRPD OF FORM VIII
RIGAKU SMARTLAB, SAMPLE 80-42-1, RXRPD2779
COUNTS
1.6 10^4
1.2 10^4
8000
4000
0
5
10
15
20
25
30
35
40
DEGREES TWO THETA

FIG. 19

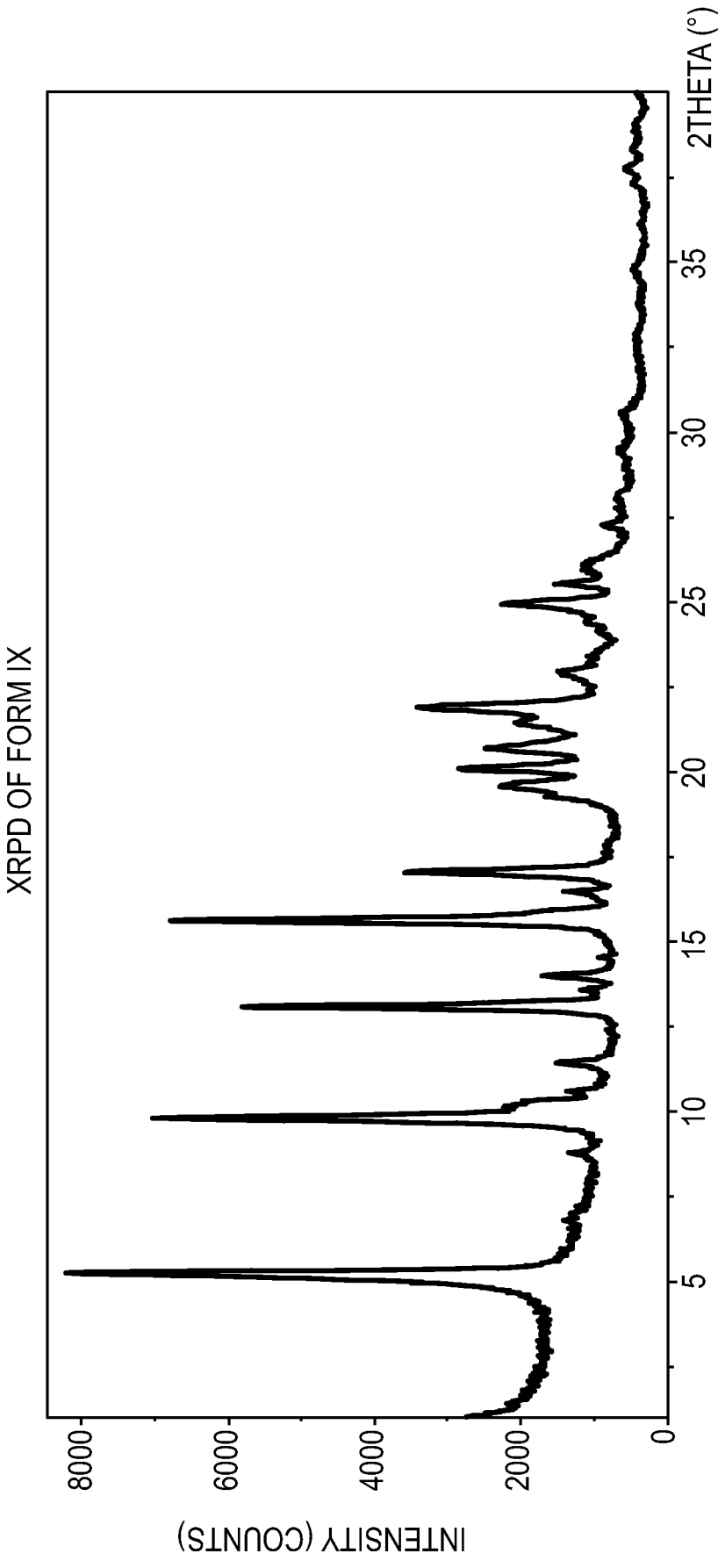
XRPD OF FORM IX
INTENSITY (COUNTS)
2THETA (°)
0
2000
4000
6000
8000
5
10
15
20
25
30
35

FIG. 20

XRPD PEAK LIST OF FORM IX

POS. [°2TH.]	REL. INT. [%]
5.3	100.0
9.8	92.8
15.6	92.7
13.1	76.6
17.0	44.3
21.9	42.7
20.0	33.4
20.7	29.1
24.9	26.8
19.6	25.2

FIG. 21

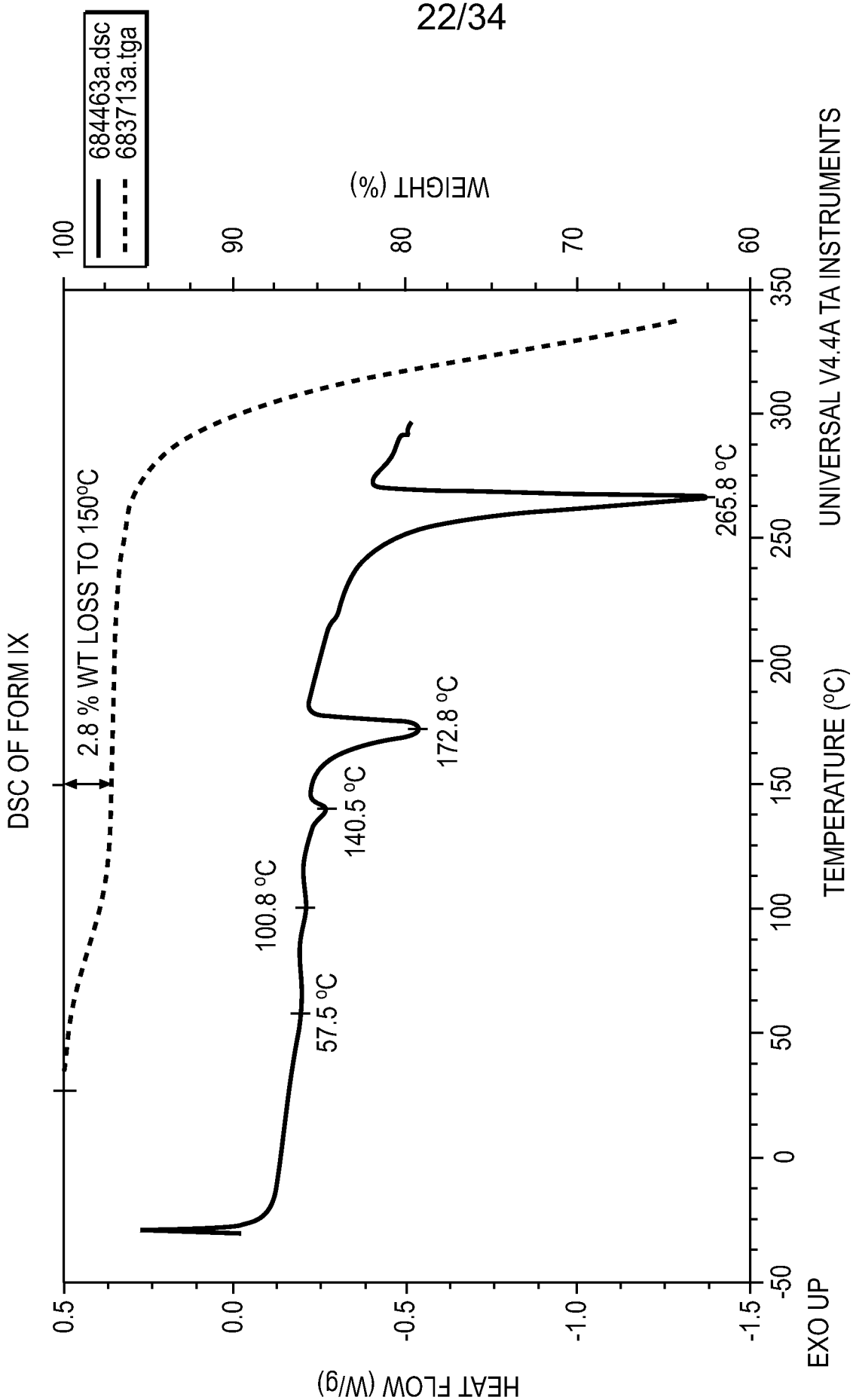
DSC OF FORM IX
2.8 % WT LOSS TO 150°C
100.8 °C
57.5 °C
140.5 °C
172.8 °C
265.8 °C
684463a.dsc
683713a.tga
WEIGHT (%)
HEAT FLOW (W/g)
TEMPERATURE (°C)
EXO UP
UNIVERSAL V4.4A TA INSTRUMENTS

FIG. 22

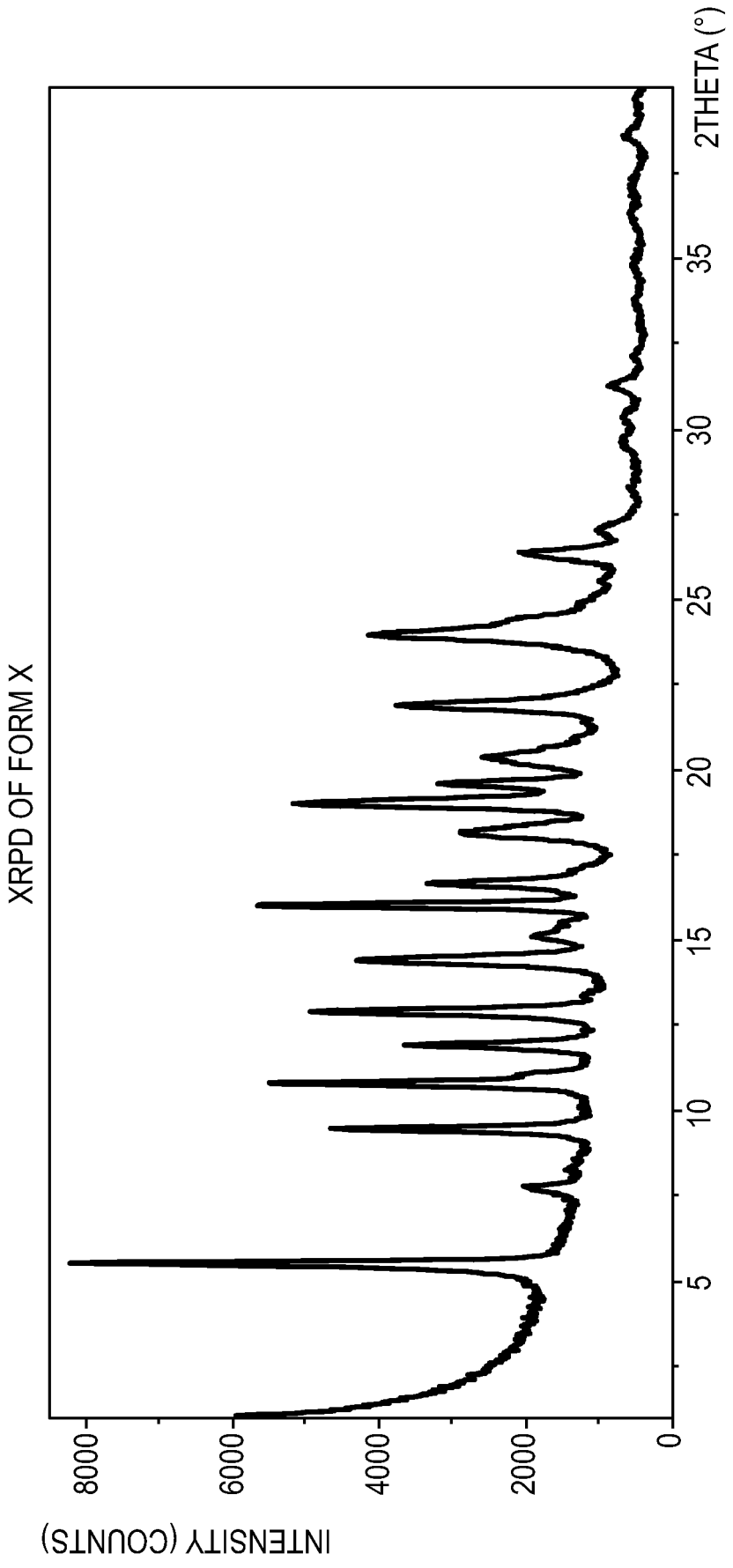
XRPD OF FORM X
INTENSITY (COUNTS)
8000
6000
4000
2000
0
5
10
15
20
25
30
35
2THETA (°)

FIG. 23

XRPD PEAK LIST OF FORM X

POS. [°2TH.]	REL. INT. [%]
5.5	100.0
16.0	77.1
10.8	70.5
19.0	69.4
12.9	62.4
9.4	56.5
14.4	52.0
23.9	49.8
21.9	47.7
11.9	39.5

FIG. 24

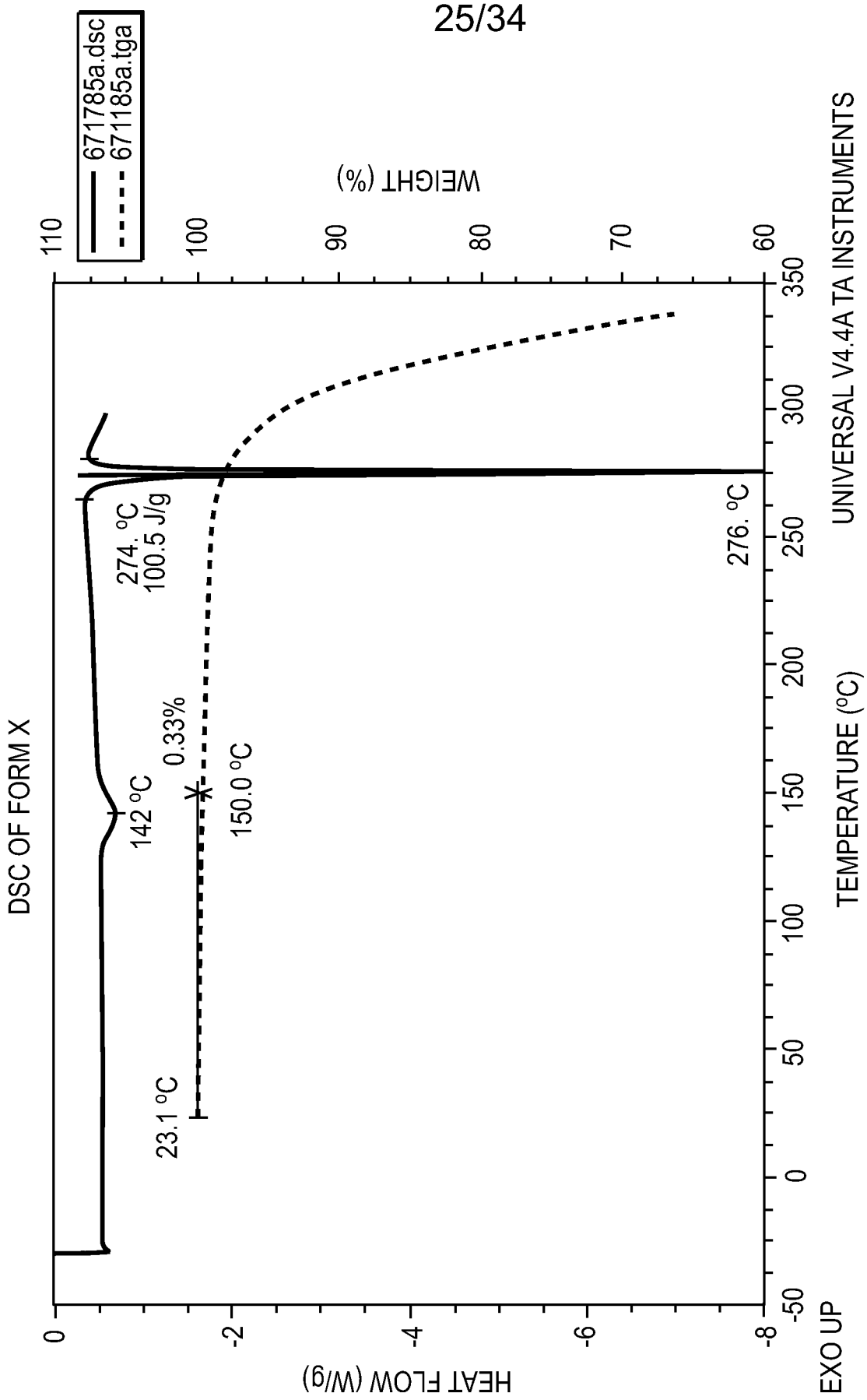
671785a.dsc
671185a.tga
WEIGHT (%)
110
100
90
80
70
60
DSC OF FORM X
274. °C
100.5 J/g
142 °C
0.33%
150.0 °C
23.1 °C
276. °C
UNIVERSAL V4.4A TA INSTRUMENTS
TEMPERATURE (°C)
350
300
250
200
150
100
50
0
-50
0
-2
-4
-6
-8
HEAT FLOW (W/g)
EXO UP

FIG. 25

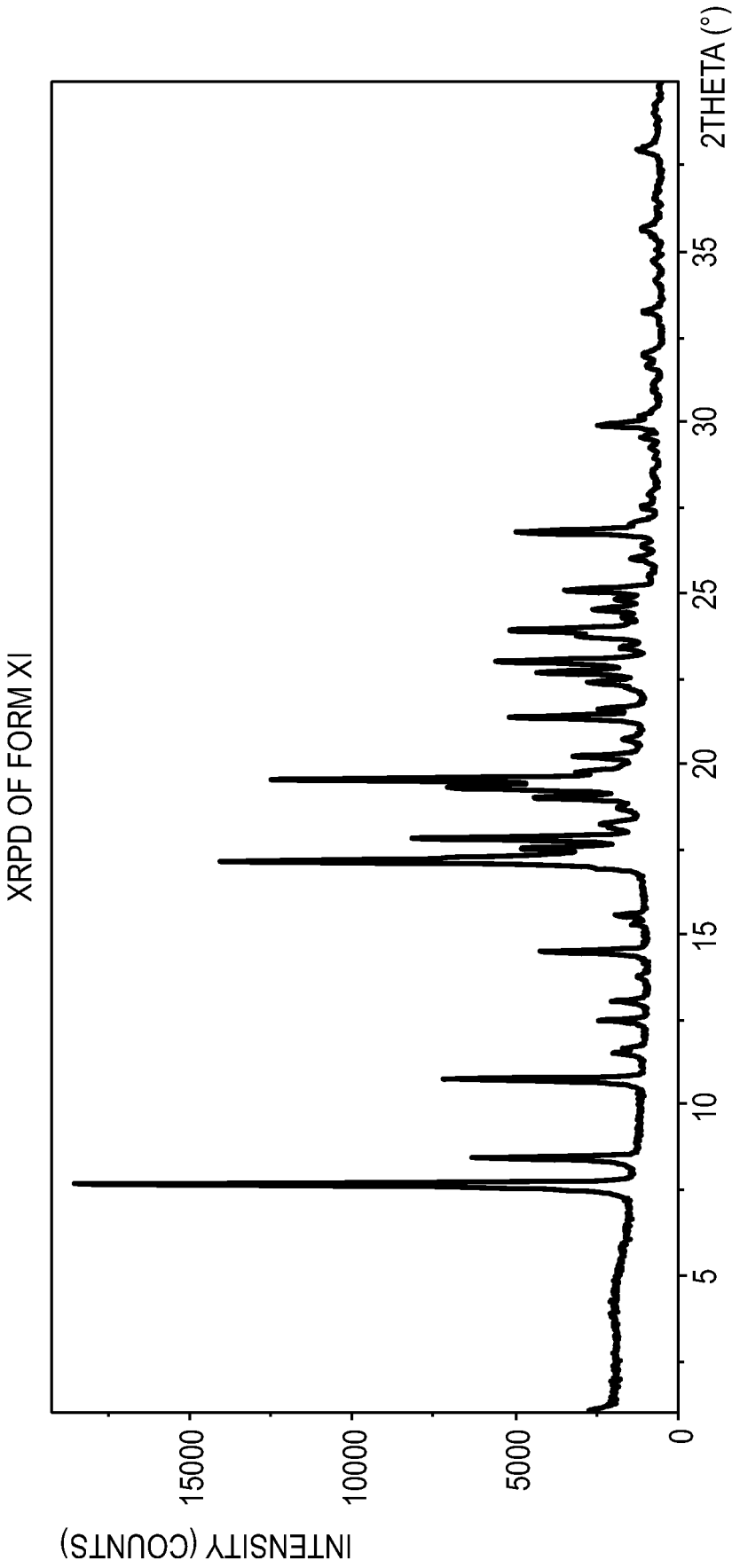
XRPD OF FORM XI
INTENSITY (COUNTS)
15000
10000
5000
0
5
10
15
20
25
30
35
2THETA (°)

FIG. 26

XRPD PEAK LIST OF FORM XI

POS. [°2TH.]	REL. INT. [%]
7.7	100.0
17.1	77.2
19.5	68.0
17.8	42.9
19.3	35.8
10.7	35.6
23.0	28.6
8.4	28.3
23.9	26.1
21.4	25.7

FIG. 27

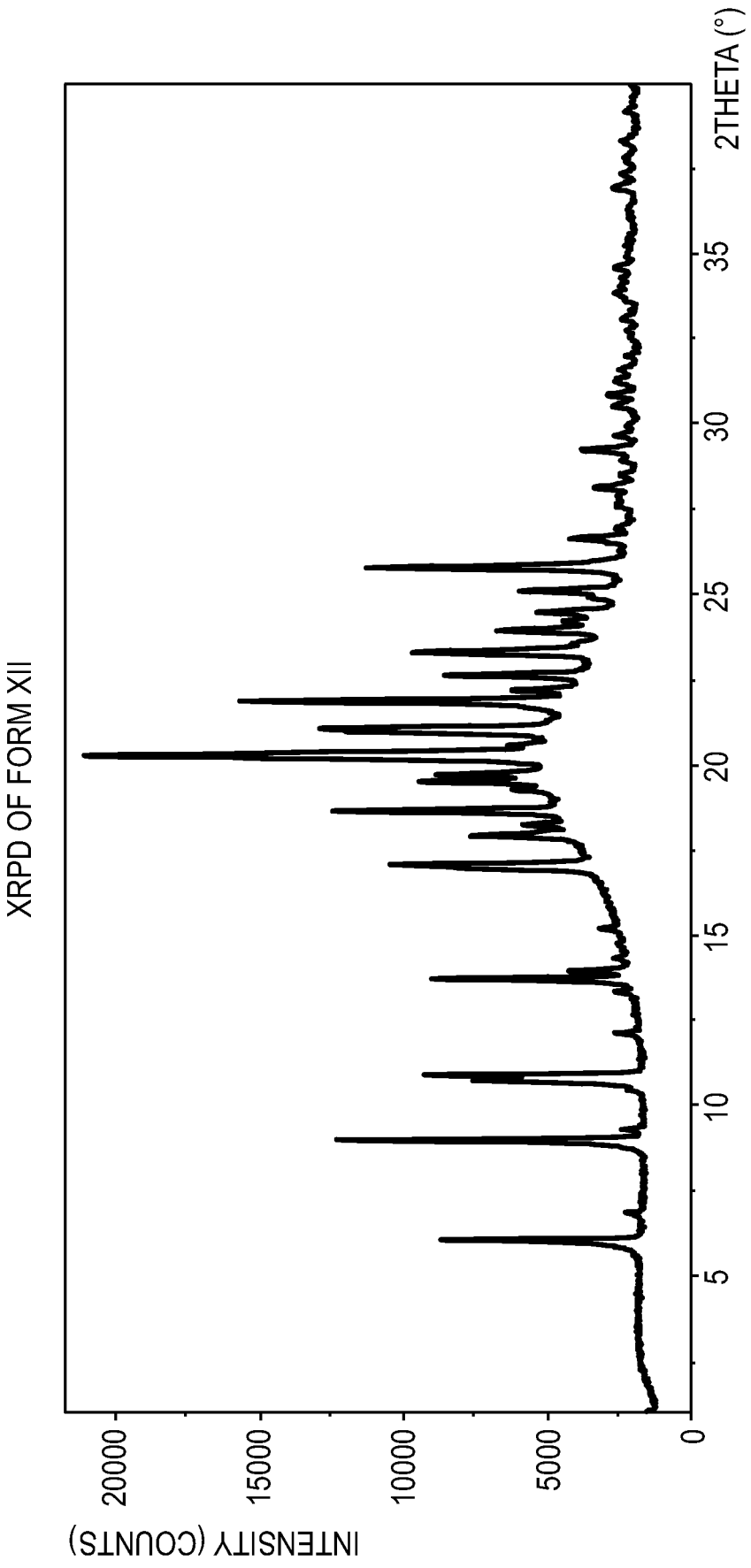
XRPD OF FORM XII
INTENSITY (COUNTS)
20000
15000
10000
5000
0
5
10
15
20
25
30
35
2THETA (°)

FIG. 28

XRPD PEAK LIST OF FORM XII

POS. [°2TH.]	REL. INT. [%]
20.3	100.0
21.9	71.6
21.1	56.5
18.7	55.5
9.0	55.4
25.8	49.2
17.1	44.8
10.9	39.1
13.7	37.6
6.0	35.9

FIG. 29

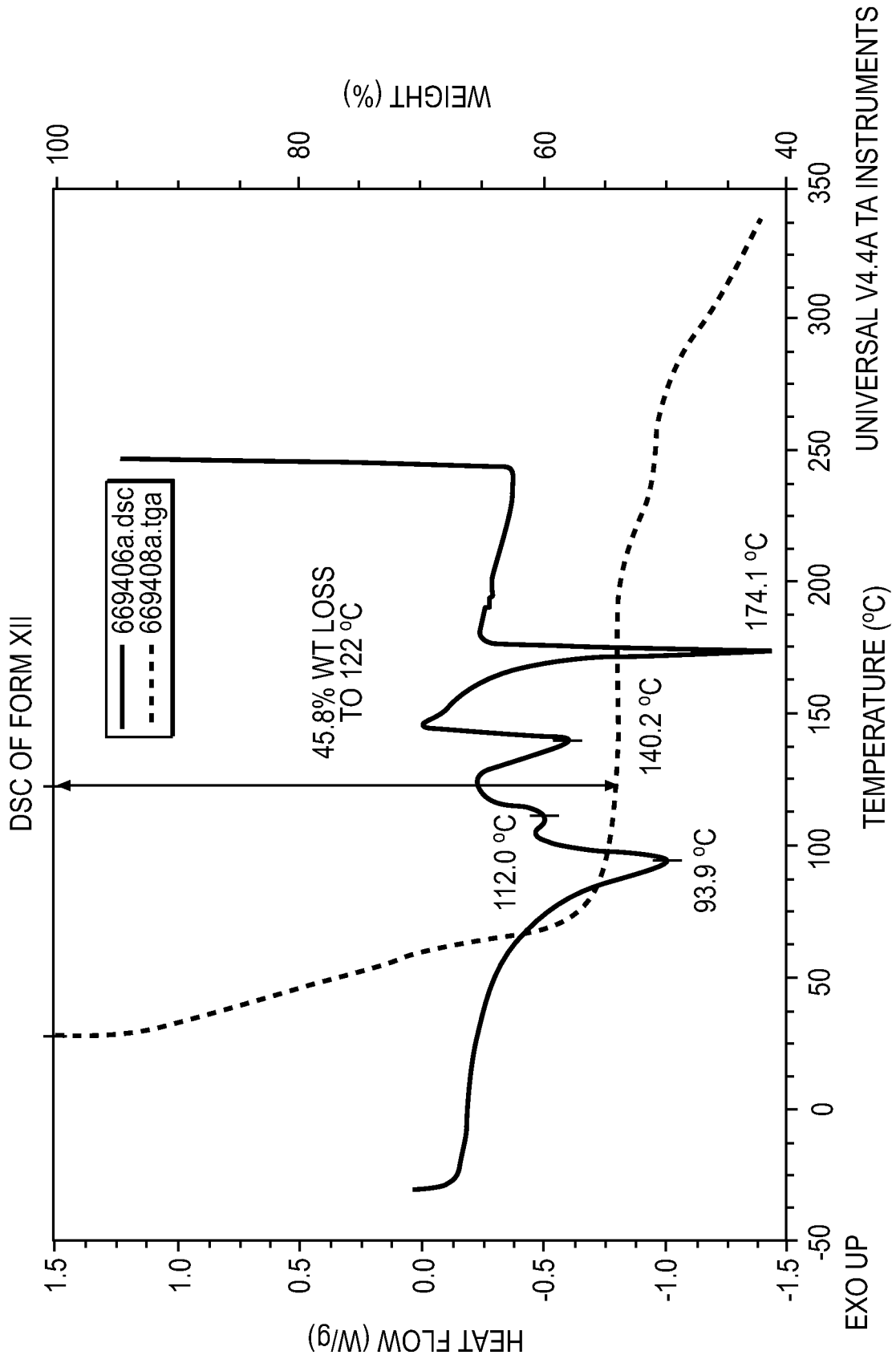
DSC OF FORM XII
669406a.dsc
669408a.tga
45.8% WT LOSS
TO 122 °C
112.0 °C
140.2 °C
93.9 °C
174.1 °C
HEAT FLOW (W/g)
WEIGHT (%)
TEMPERATURE (°C)
EXO UP
UNIVERSAL V4.4A TA INSTRUMENTS

FIG. 30

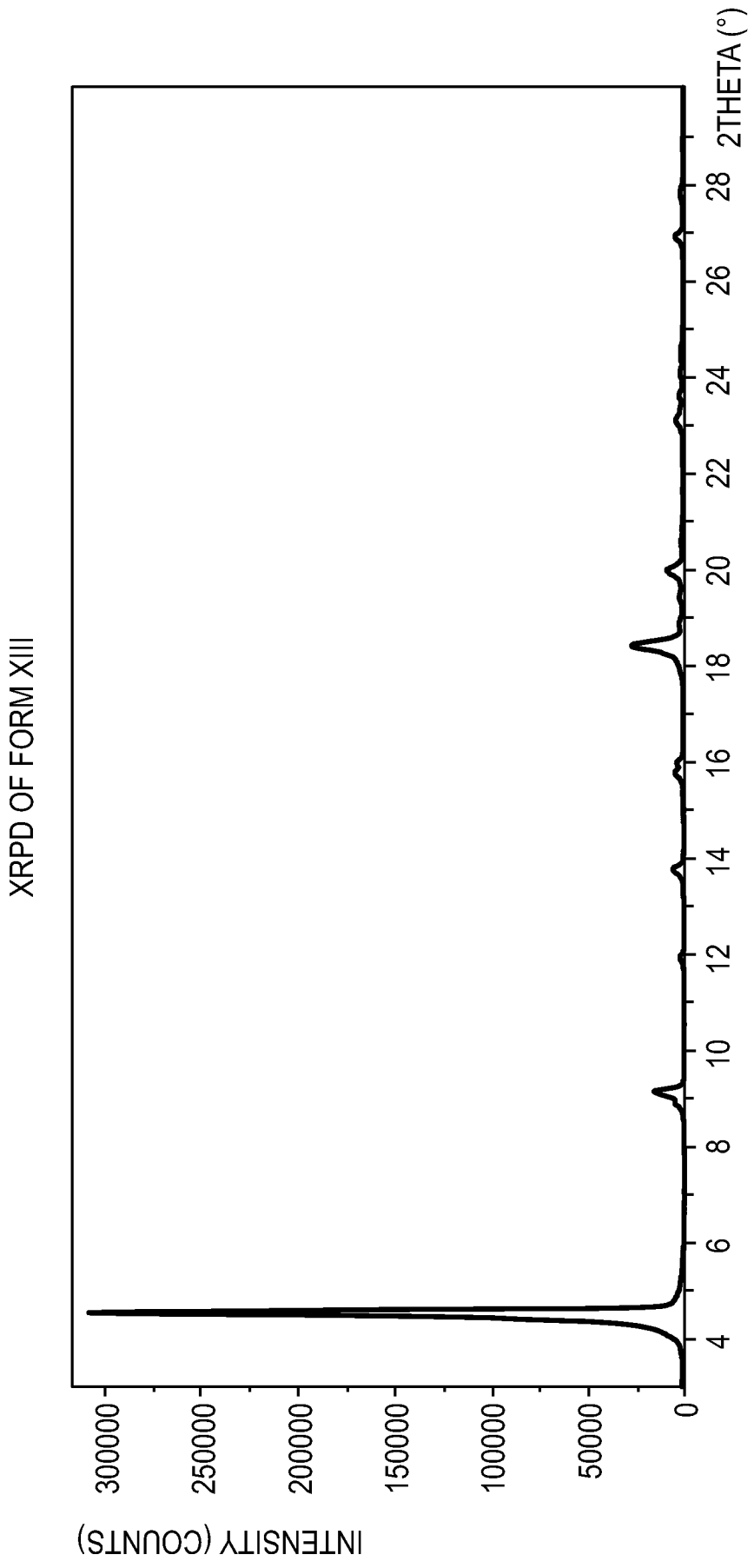
XRPD OF FORM XIII
INTENSITY (COUNTS)
300000
250000
200000
150000
100000
50000
0
4
6
8
10
12
14
16
18
20
22
24
26
28
2THETA (°)

FIG. 31

XRPD PEAK LIST OF FORM XIII

POS. [°2TH.]	REL. INT. [%]
4.6	100.0
18.4	8.9
9.2	5.1
20.0	2.8
13.8	1.8
15.8	1.6
8.9	1.5
26.9	1.4
23.1	1.3
16.0	1.3

FIG. 32

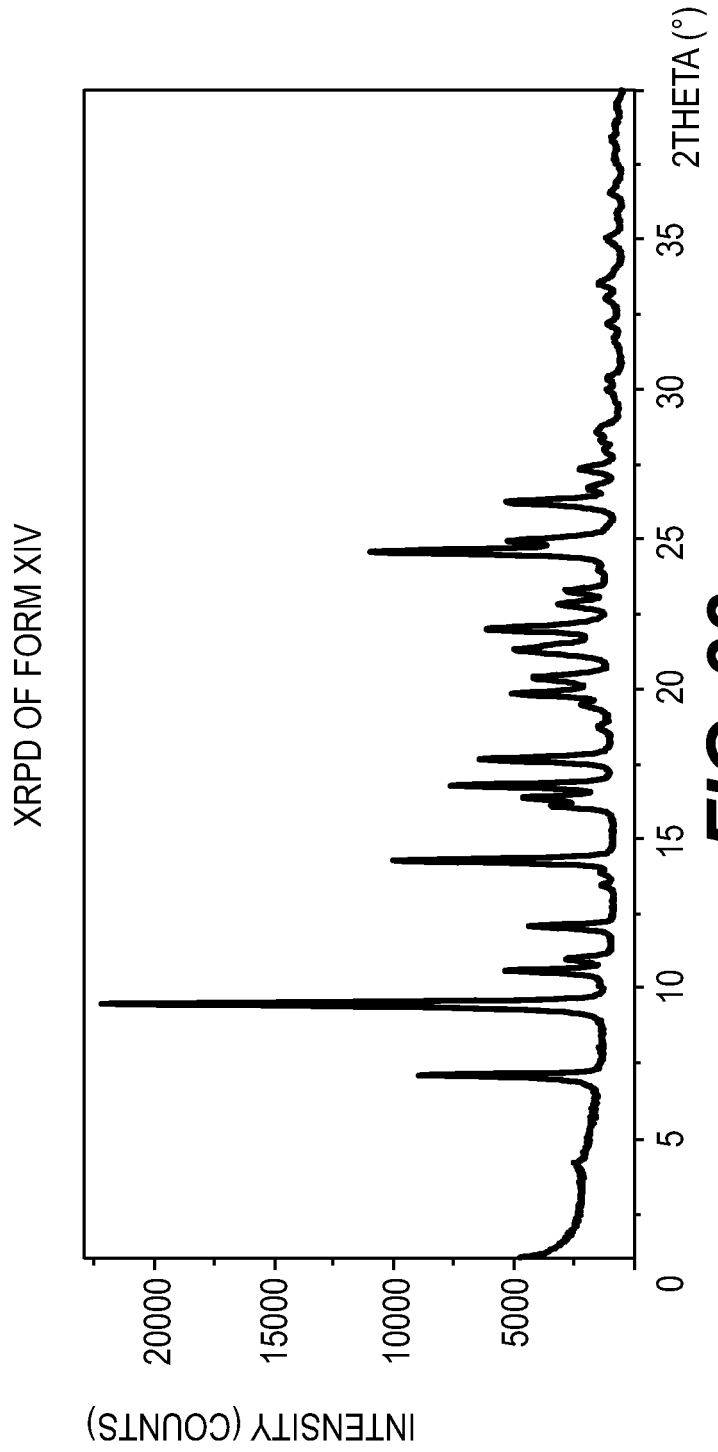
XRPD OF FORM XIV
INTENSITY (COUNTS)
20000
15000
10000
5000
0
5
10
15
20
25
30
35
2THETA (°)

FIG. 33

XRPD PEAK LIST OF FORM XIV

POS. [°2TH.]	REL. INT. [%]
9.5	100.0
24.6	50.6
14.3	44.9
7.1	35.9
16.8	33.7
17.6	27.7
22.0	26.4
26.2	22.6
24.9	22.2
10.6	21.1

FIG. 34