Ulimorelin

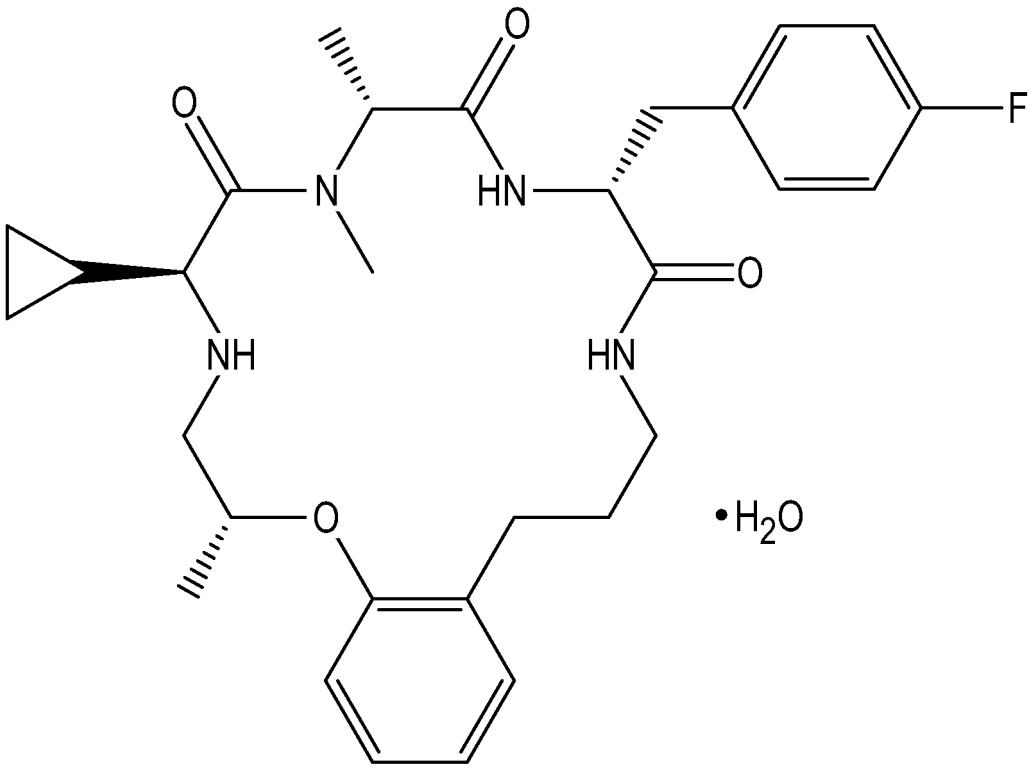


FIG. 1

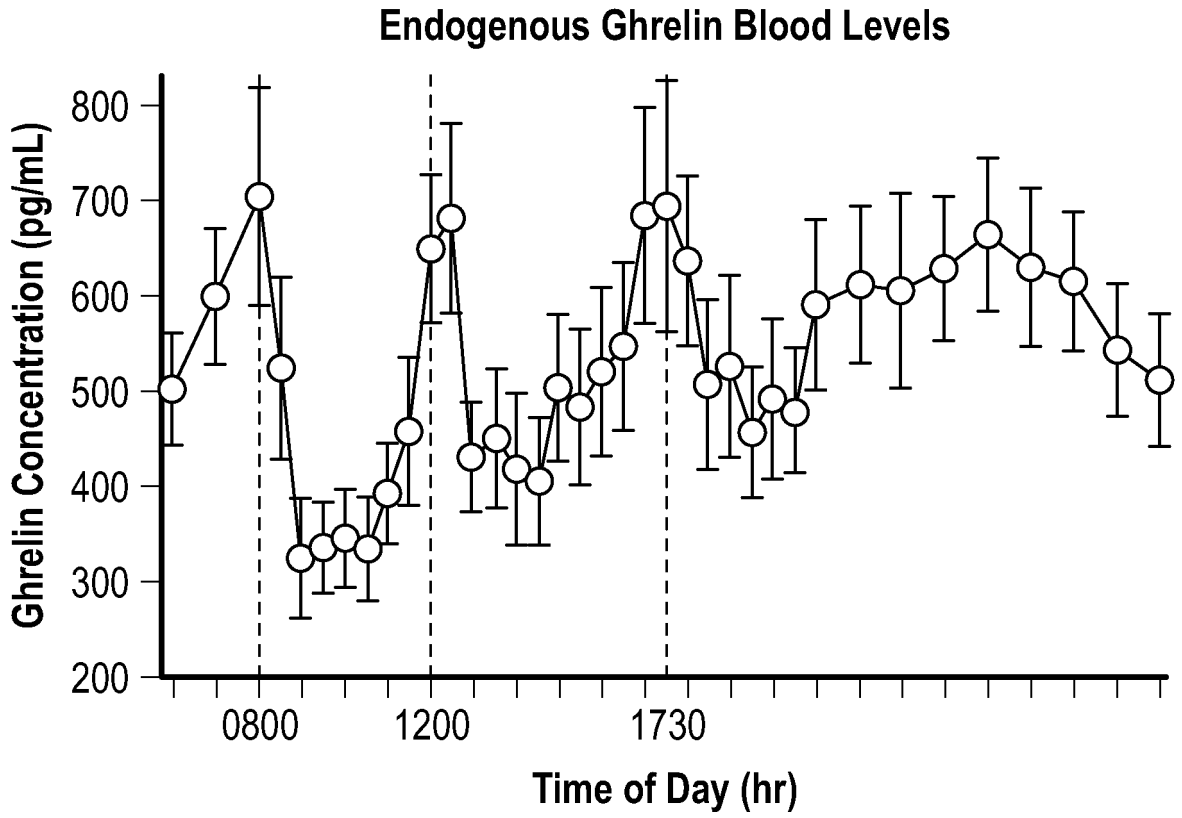

Endogenous Ghrelin Blood Levels
Ghrelin Concentration (pg/mL)
800
700
600
500
400
300
200
0800
1200
1730
Time of Day (hr)

FIG. 2

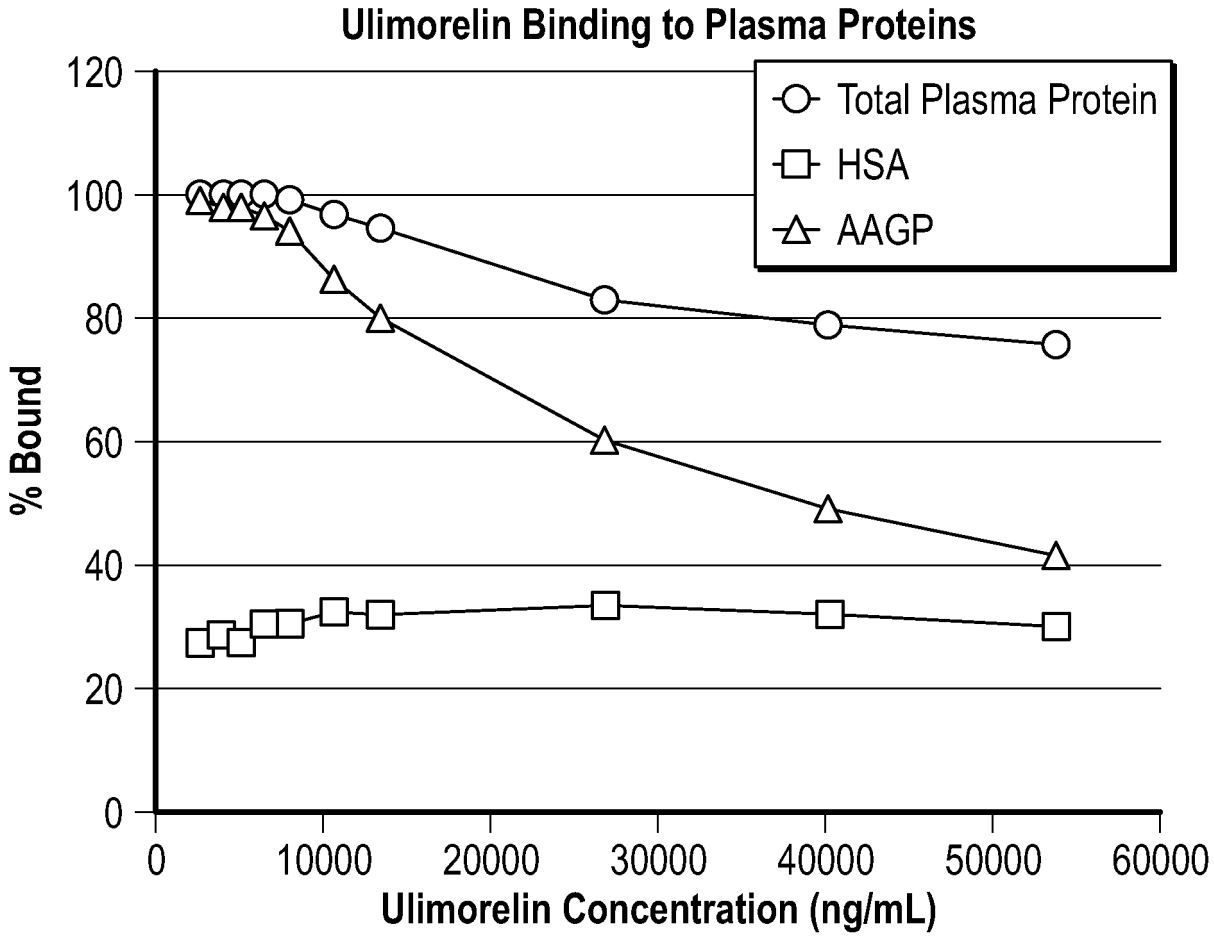

Ulimorelin Binding to Plasma Proteins
Total Plasma Protein
HSA
AAGP
% Bound
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
Ulimorelin Concentration (ng/mL)

FIG. 3

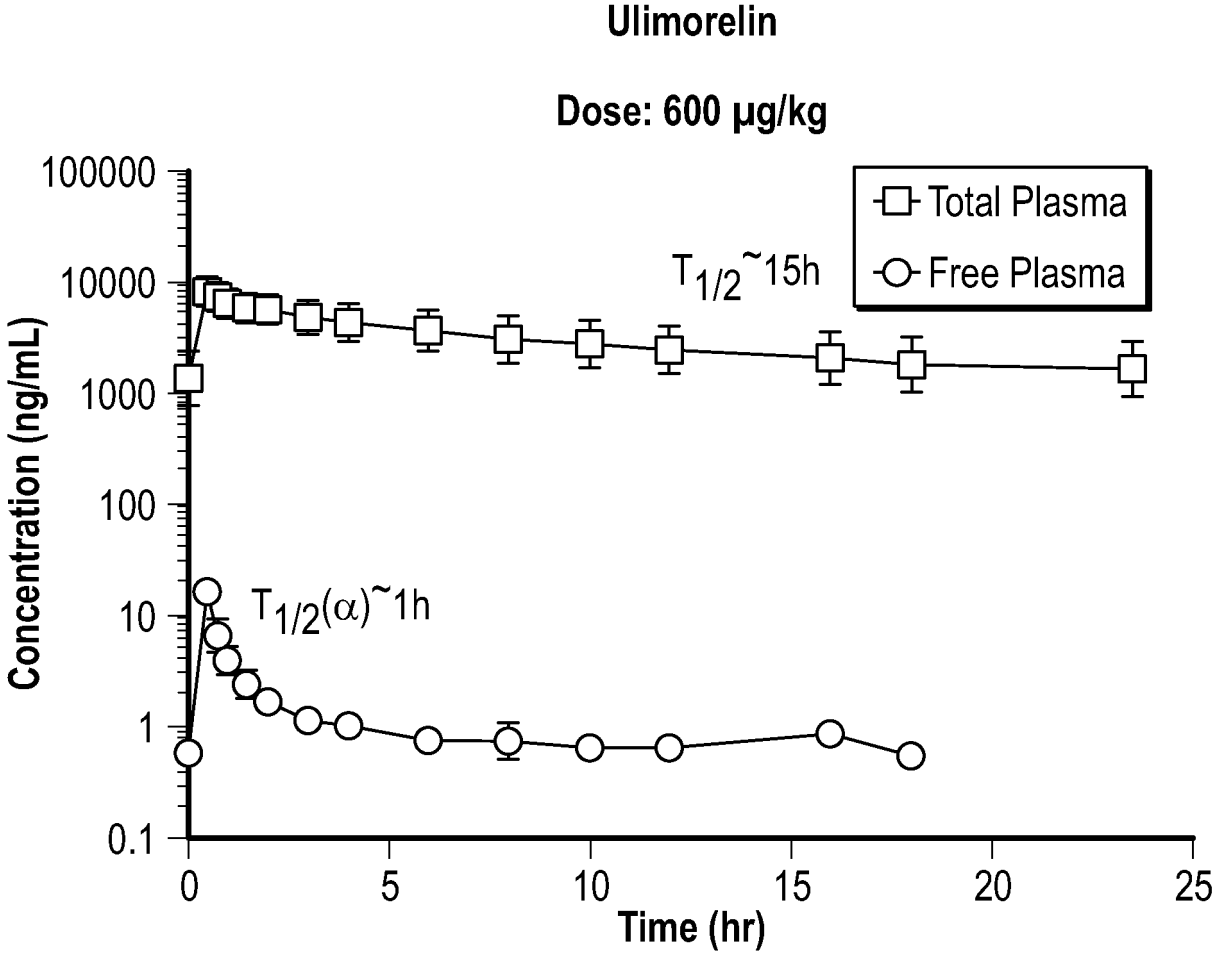

Ulimorelin
Dose: 600 µg/kg
Total Plasma
Free Plasma
$T_{1/2}$~15h
$T_{1/2}(\alpha)$~1h
Concentration (ng/mL)
100000
10000
1000
100
10
1
0.1
0
5
10
15
20
25
Time (hr)

FIG. 4

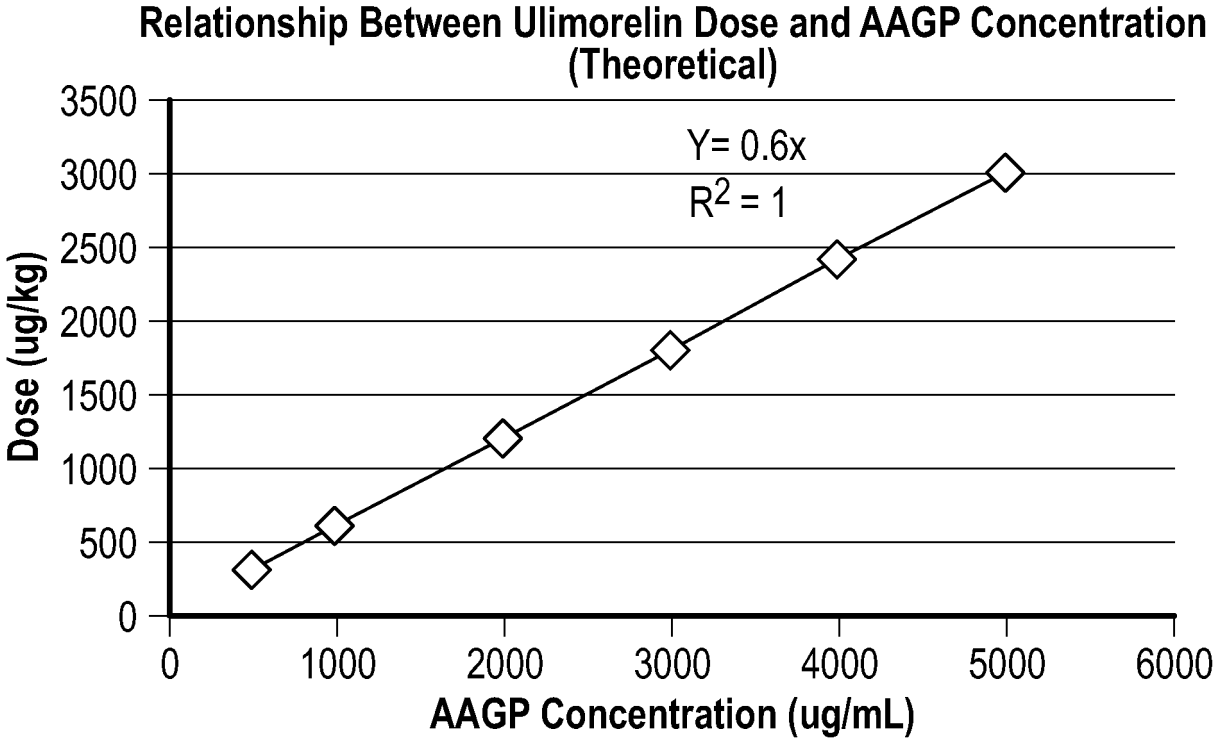

Relationship Between Ulimorelin Dose and AAGP Concentration
(Theoretical)
Y= 0.6x
R2 = 1
Dose (ug/kg)
3500
3000
2500
2000
1500
1000
500
0
0
1000
2000
3000
4000
5000
6000
AAGP Concentration (ug/mL)

FIG. 5

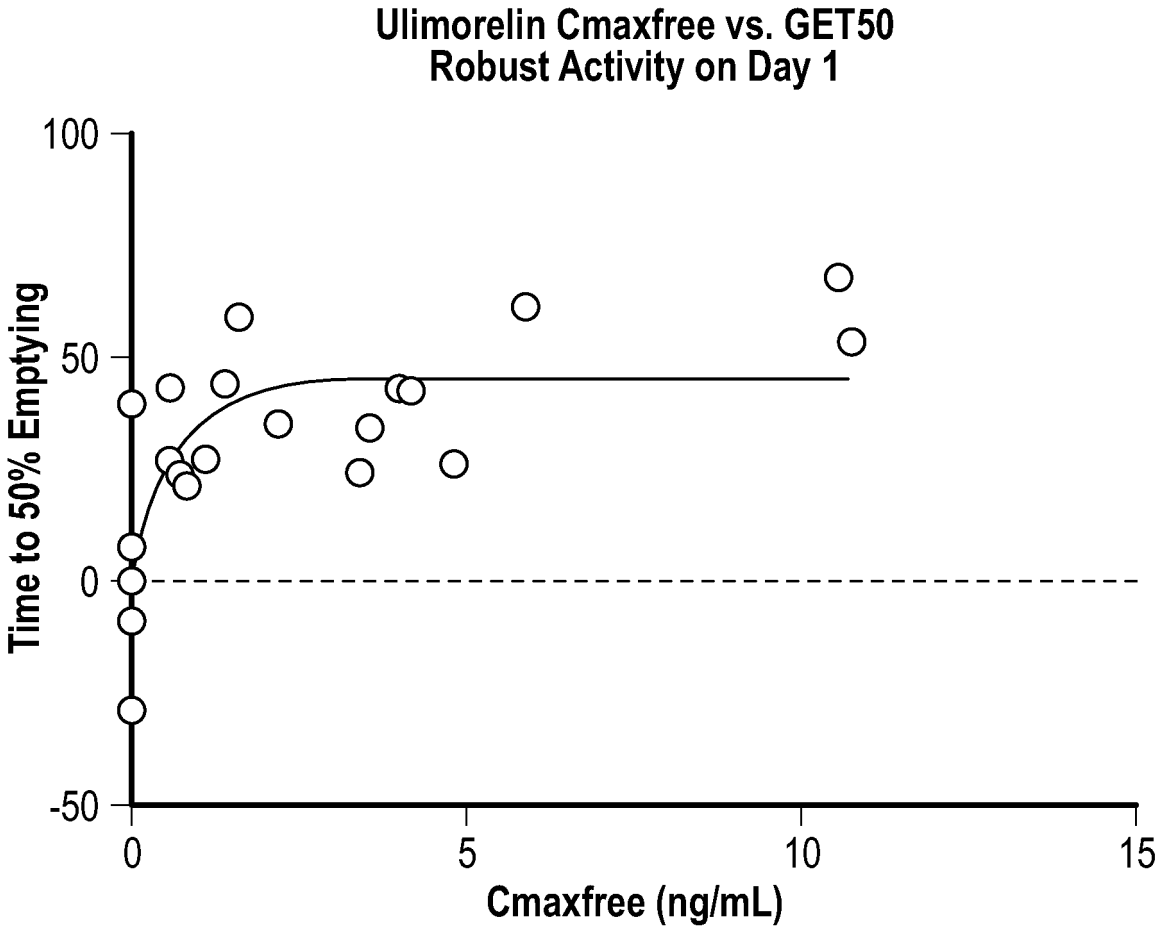
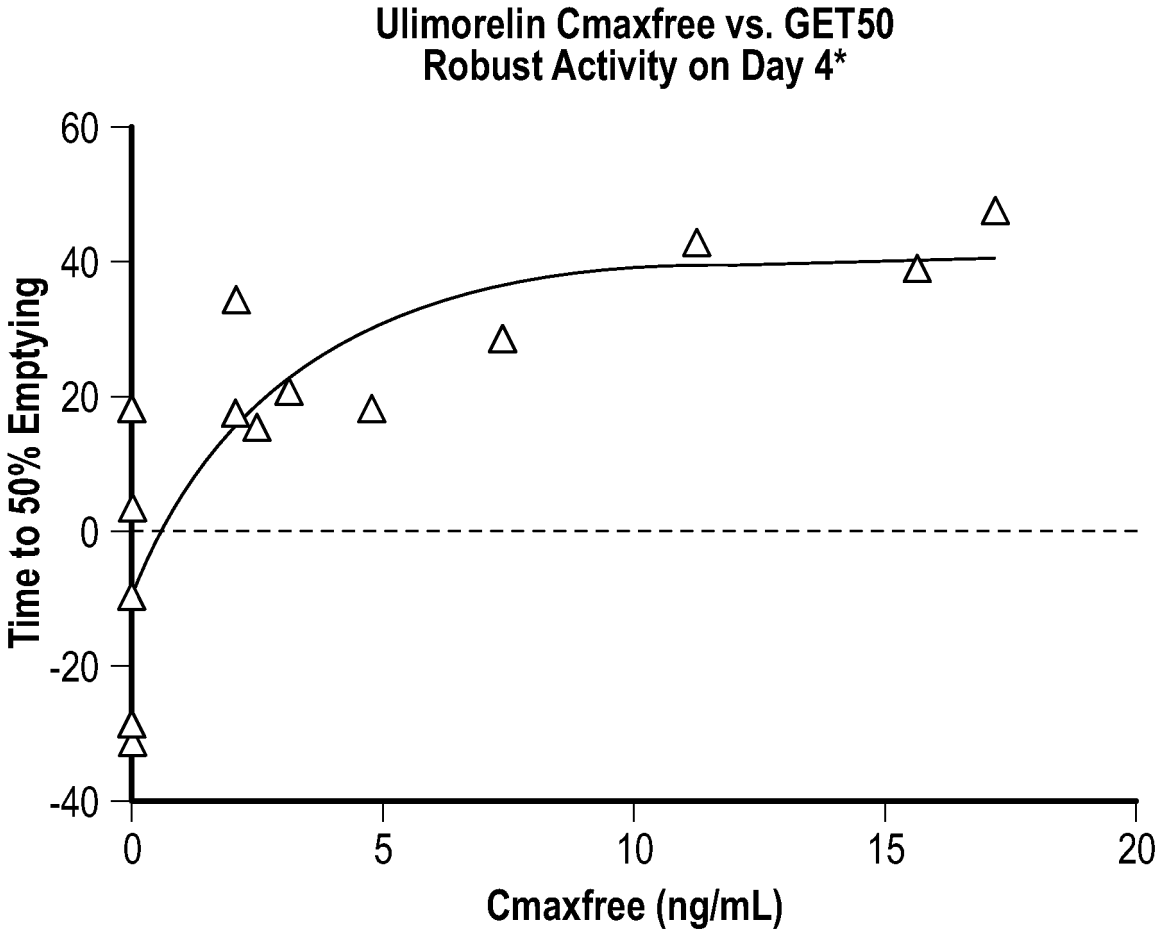

Ulimorelin Cmaxfree vs. GET50
Robust Activity on Day 1
Time to 50% Emptying
100
50
0
-50
0
5
10
15
Cmaxfree (ng/mL)

FIG. 6A



*Two non-responders excluded from day 4 analysis

FIG. 6B

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☒ Claims Nos.: 34-36
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.

☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.

☐ No protest accompanied the payment of additional search fees.