FIG 1

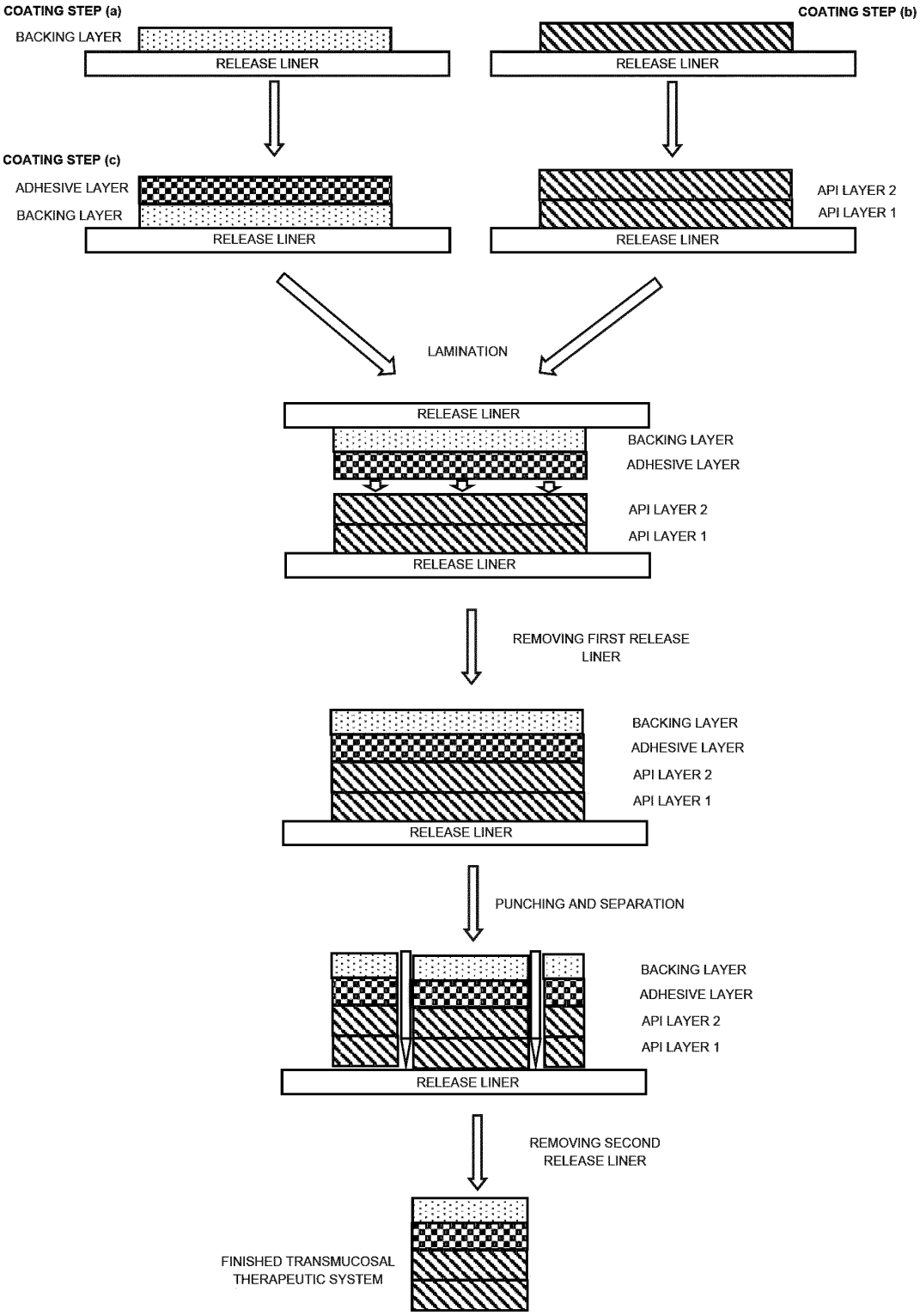

COATING STEP (a)
BACKING LAYER
RELEASE LINER
COATING STEP (b)
RELEASE LINER
COATING STEP (c)
ADHESIVE LAYER
BACKING LAYER
RELEASE LINER
API LAYER 2
API LAYER 1
RELEASE LINER
LAMINATION
RELEASE LINER
BACKING LAYER
ADHESIVE LAYER
API LAYER 2
API LAYER 1
RELEASE LINER
REMOVING FIRST RELEASE LINER
BACKING LAYER
ADHESIVE LAYER
API LAYER 2
API LAYER 1
RELEASE LINER
PUNCHING AND SEPARATION
BACKING LAYER
ADHESIVE LAYER
API LAYER 2
API LAYER 1
RELEASE LINER
REMOVING SECOND RELEASE LINER
FINISHED TRANSMUCOSAL THERAPEUTIC SYSTEM

FIG 2

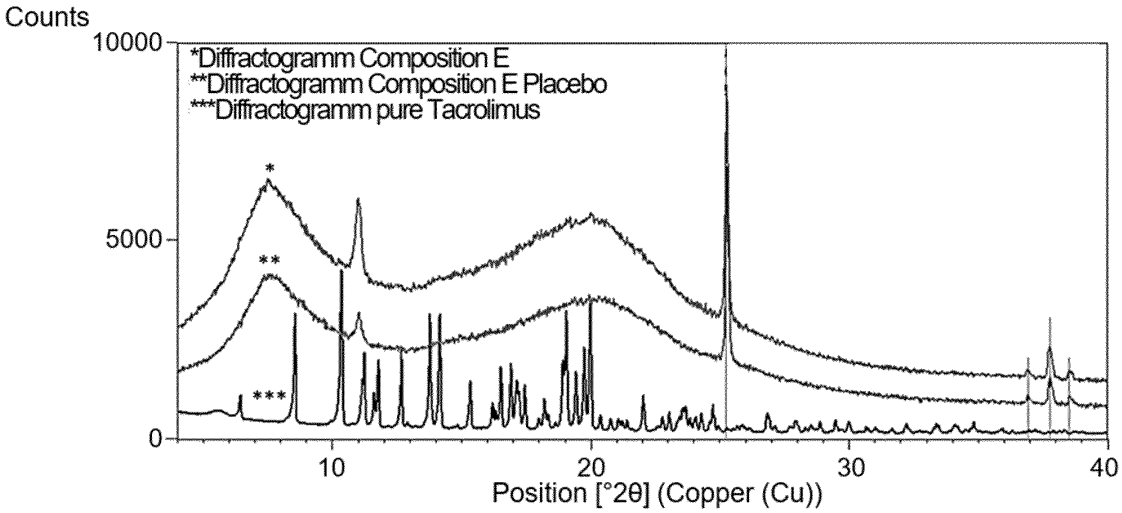

Counts
10000
5000
0
*Diffractogramm Composition E
**Diffractogramm Composition E Placebo
***Diffractogramm pure Tacrolimus
*
**
***
10
20
30
40
Position [°2θ] (Copper (Cu))

FIG 3

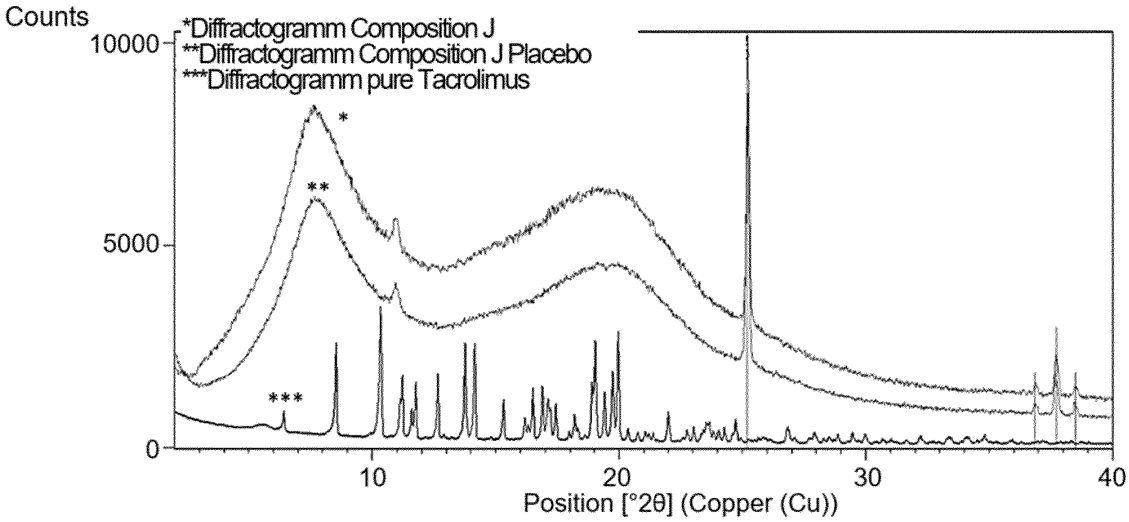

Counts
10000
5000
0
*Diffractogramm Composition J
**Diffractogramm Composition J Placebo
***Diffractogramm pure Tacrolimus
*
**
***
10
20
30
40
Position [°2θ] (Copper (Cu))

FIG 4

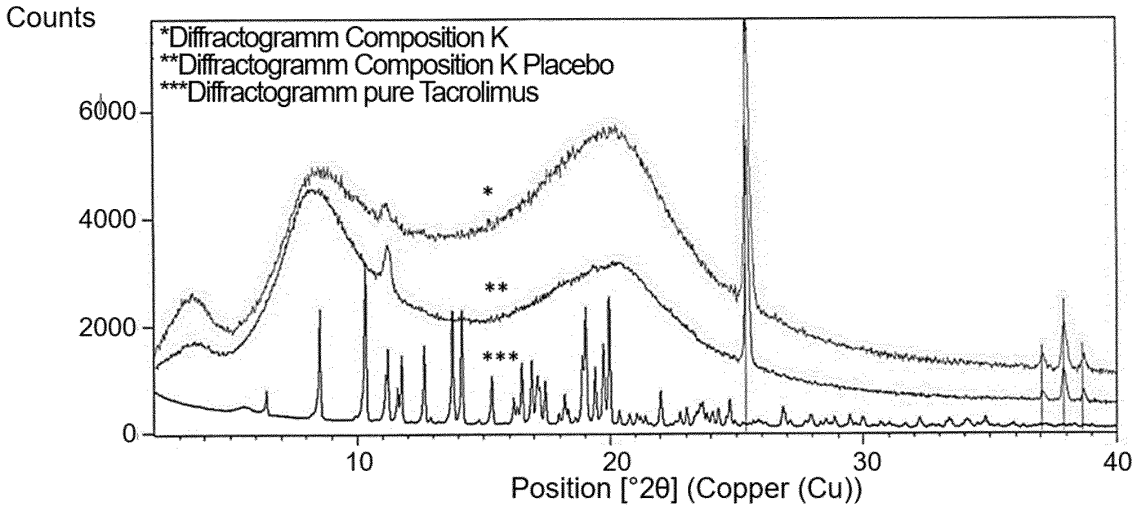

Counts
*Diffractogramm Composition K
**Diffractogramm Composition K Placebo
***Diffractogramm pure Tacrolimus
6000
4000
2000
0
10
20
30
40
Position [°2θ] (Copper (Cu))

FIG 5

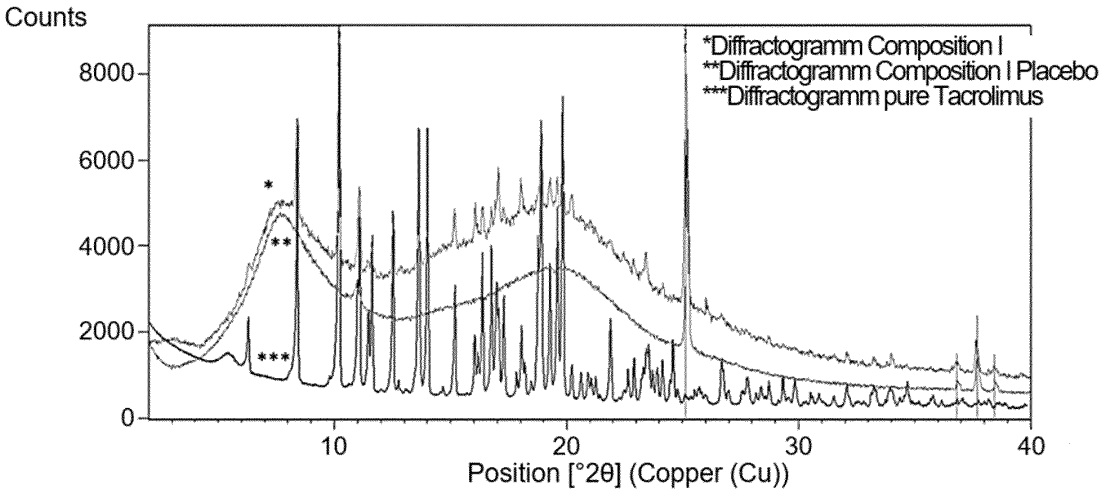

Counts
*Diffractogramm Composition I
**Diffractogramm Composition I Placebo
***Diffractogramm pure Tacrolimus
8000
6000
4000
2000
0
10
20
30
40
Position [°2θ] (Copper (Cu))

FIG 6

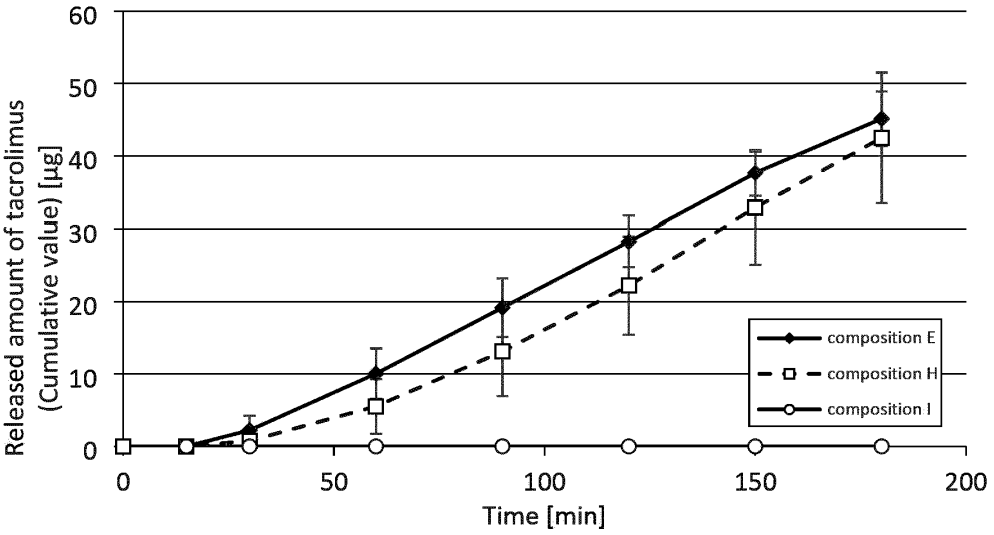
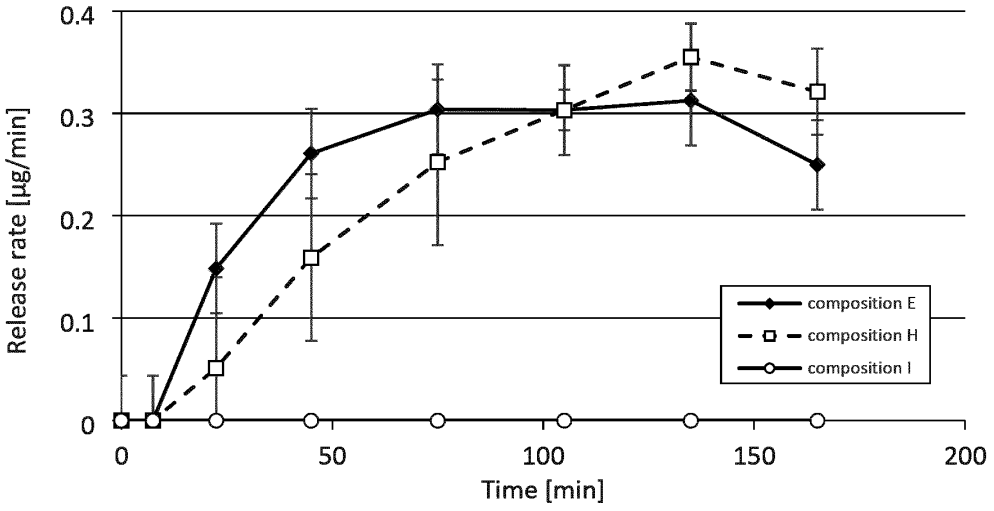

Released amount of tacrolimus (Cumulative value) [µg]
60
50
40
30
20
10
0
0
50
100
150
200
Time [min]
composition E
composition H
composition I

FIG 7


Release rate [µg/min]
0.4
0.3
0.2
0.1
0
0
50
100
150
200
Time [min]
composition E
composition H
composition I