CLAIMS

1. A process to prepare paraffins and waxes, the process at least comprising the following steps: (a) providing a Fischer-Tropsch product stream comprising paraffins having from 10 to 300 carbon atoms; (b) subjecting the Fischer-Tropsch product stream of step (a) to a hydrogenation step, thereby obtaining a hydrogenated Fischer-Tropsch product stream comprising 10 to 300 carbon atoms; (c) separating the hydrogenated Fischer-Tropsch product stream of step (b), thereby obtaining at least a fraction comprising 10 to 17 carbon atoms and a fraction comprising 18 to 300 carbon atoms; (d) separating the fraction comprising 18 to 300 carbon atoms of step (c), thereby obtaining one or more first light waxes having a congealing point in the range of 30 to 75°C and a second heavy wax having a congealing point in the range of 75 to 120°C; (e) hydrofinishing one or more wax fractions having a congealing point in the range of 30 to 75°C of step (d) thereby obtaining one or more hydrofinished wax fractions having a congealing point in the range of 30 to 75°C.

2. A process according to claim 1, wherein the fraction comprising 18 to 300 carbon atoms of step (b), is separated in step (c) by vacuum distillation at a pressure between 5 and 20 mbar.

3. A process according to claim 1, wherein the one or more first light waxes are obtained as distillate and/or side cuts in vacuum distillation.

4. A process according to claim 3, wherein the one or more first light waxes are a first light wax fraction having a congealing point in the range of from 30 to 35°C, a second light wax fraction having a congealing point in the range of from 50 to 60°C and a third light wax having a congealing point in the range of from 65 to 75°C.

5. A process according to claim 1, wherein the second heavy wax of step (d) is separated, thereby obtaining at least one distillate wax fraction having a congealing point in the range of between 75 to 85°C and at least one residual wax fraction having a congealing point in the range of from 95 to 120°C.

6. A process-according to claim 5, wherein the distillate wax fraction having a congealing point in the range of between 75 to 85°C is hydrofinished to obtain a hydrofinished heavy distillate wax fraction having a congealing point in the range of between 75 and 85°C.

7. A process according to claim 5, wherein the residual wax fraction having a congealing point in the range of 95 to 120°C is hydrofinished to obtain a hydrofinished heavy residual wax fraction having a congealing point in the range of 95 to 120°C.

8. A process according to claim 5, wherein the second heavy wax of step (d) is separated by short path distillation at a pressure between 0.05 and 0.5 mbar.

9. A process according to claim 5, wherein the second heavy wax of step (d) is separated by short path distillation at a pressure between 0.05 and 0.3 mbar.

10. A process according to claim 1, wherein a part of the second heavy wax of step (d) is subjected to a hydrocracking/hydroisomerisation step to obtain a partly isomerised product.

11. A Fischer-Tropsch derived wax that has been obtained according to claim 1 having an oil content according to ASTM D721 of from 0.22 wt. % to 0.5 wt. %, wherein the Fischer-Tropsch derived wax has a congealing point in the range of 75 to 120°C.

12. A Fischer-Tropsch derived wax according to claim 11, having a Saybolt colour of more than 25 cm, wherein the Fischer-Tropsch derived wax has a congealing point in the range of 75 to 120°C.

13. A process according to claim 1, wherein the fraction comprising 18 to 300 carbon atoms of step

(b), is separated in step (c) by vacuum distillation at a pressure between 5 and 15 mbar.

14. A process according to claim 1, wherein the fraction comprising 18 to 300 carbon atoms of step (b), is separated in step (c) by vacuum distillation at a pressure between 10 and 15 mbar.

15. A process according to claim 1, wherein the hydrofinished wax fraction has a Saybolt colour according to ASTM D156 of more than 25 cm.

16. A process according to claim 1, wherein the hydrofinished wax fraction has a Saybolt colour according to ASTM D156 of more than 28 cm.

17. A Fischer-Tropsch derived wax that has been obtained according to claim 1 having an oil content according to ASTM D721 of from 0.22 wt. % to 0.5 wt. %, wherein the Fischer-Tropsch derived wax has a congealing point in the range of 95 to 120°C.

18. A Fischer-Tropsch derived wax according to claim 17, having a Saybolt colour of more than 25 cm, wherein the Fischer-Tropsch derived wax has a congealing point in the range of 95 to 120°C.