CLAIMS

1. A method for manufacturing a connecting part comprising a first portion (101; 201; 301; 401) having a threaded end (104; 204; 304; 404) that is able to be screwed to the end of a first tubular component (1) for connecting the connecting part (100; 200; 300; 400) to said first tubular component (1), the method comprising a step of producing, by an additive manufacturing method, a second portion (102; 202; 302; 402) of the connecting part (100; 200; 300; 400) juxtaposed with the first portion (101; 201; 301; 401) having a threaded end (104; 204; 304; 404), characterized in that the first portion (101; 201; 301; 401) having a threaded end (104; 204; 304; 404) is obtained by reworking the first portion (101; 201; 301; 401) on a separate tubular component (5) of the connecting part (100; 200; 300; 400) in order to be joined to the connecting part (100; 200; 300; 400), and characterized in that the reworking of the first portion (101;201;301;401) having the threaded end (104; 204, 304; 404) on a separate tubular component (5) of the connecting part (100;200;300;400) is done by cutting.

2. The manufacturing method as claimed in claim 1, characterized in that the first portion (201) comprises a coating of its surface already present on the separate tubular component (5) before reworking same.

3. The manufacturing method as claimed in claim 2, characterized in that the first portion (101; 201; 301; 401) comprises a coating on at least part of the surface of the thread of the threaded end (104; 204; 304; 404), said coating already being present before reworking said first portion (101; 201; 301; 401) of the separate tubular component (5).

4. The manufacturing method as claimed in any one of the preceding claims, characterized in that the second portion (302) produced by an additive manufacturing method is produced independently of the rest of the connecting part (300), then the second portion (302) is connected to the first portion (301) having a threaded end (304).

5. The manufacturing method as claimed in claim 4, characterized in that the first portion (201; 301; 401) and the second portion (202; 302; 402) are connected by additive manufacturing

6. The manufacturing method as claimed in claim 4, characterized in that the first portion (201; 301; 401) and the second portion (202; 302; 402) are connected by welding.

7. The manufacturing method as claimed in any one of the preceding claims, characterized in that the second portion (202) produced by an additive manufacturing method is formed from a separate end (205) of the threaded end (204) of the first portion (201) of the connecting part (200).

8. The manufacturing method as claimed in claim 7, characterized in that the separate end (205) is an end opposite the threaded end (204) of the first portion of the connecting part (200).

9. The manufacturing method as claimed in any one of the preceding claims, characterized in that it comprises a step intended to connect the second portion (202; 302; 402) to a third portion (203; 303; 403).

10. The manufacturing method as claimed in claim 9, characterized in that the third portion (203; 303; 403) is connected to the second portion (202; 302; 402) by additive manufacturing.

11. The manufacturing method as claimed in claim 9, characterized in that the third portion (203; 303; 403) is connected to the second portion (202; 302; 402) by welding.

12. The manufacturing method as claimed in one of claims 9 to 11, characterized in that the third portion (203; 303) includes a threaded end (208; 307) intended to be screwed to the end of a second tubular component (2).

13. The manufacturing method as claimed in claim 12, characterized in that the third portion (203) having a threaded end is obtained by reworking the third portion (203) having the threaded end (204) on a separate tubular component (6) of the connecting part (200) comprising the third portion (203) having the threaded end (204).

14. The manufacturing method as claimed in claim 13, characterized in that the third portion (203) comprises a coating of its surface already present on the separate tubular component (6) before reworking same.

15. The manufacturing method as claimed in claim 14, characterized in that the third portion (203; 303; 403) comprises a coating on at least part of the surface of the thread of the threaded end (208; 307), said coating already being present before reworking said third portion (203; 303; 403) of the separate tubular component (6).

16. The manufacturing method as claimed in one of claims 13 to 15, characterized in that the reworking of the third portion (203; 303; 403)

on a separate tubular component (6) of the connecting part (200; 300; 400) is done by cutting.

17. The manufacturing method as claimed in any one of claims 9 to 16, characterized in that the first portion (201; 301; 401) and the third portion (203; 303; 403) have a different chemical composition and different mechanical properties.