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- 5. Steel according to claim 1, consisting essentially of 2.0-4.5 Mn.
- 6. Steel according to claim 4, consisting essentially of 3.0-4.2 Mn.
- 7. Steel according to claim 1, consisting essentially of max 27 Cr.
- 8. Steel according to claim 1, consisting essentially of max 26 Cr.
- 9. Steel according to claim 1, consisting essentially of 7.2-9 Mo.
- 10. Steel according to claim 9, consisting essentially of max 8.5 Mo.
- 11. Steel according to claim 9, consisting essentially of max 8.0 Mo.
- 12. Steel according to claim 1, consisting essentially of 0.45-0.65 N.
- 13. Steel according to claim 1, consisting essentially of max 0.6 N.
- 14. Steel according to claim 1, consisting essentially of 0.48-0.55 N.
- 15. Steel according to claim 1, consisting essentially of 19-24 Ni.
- 16. Steel according to claim 1, consisting essentially of max 23 Ni.
- 17. Steel according to claim 1, consisting essentially of 0.3-1.0 Cu.
- 18. Steel according to claim 1, consisting essentially of 0.4-0.8 Cu.
- 19. Steel according to claim 1, consisting essentially of max 0.7 Si.
- 20. Steel according to claim 1, consisting essentially of max 0.5 Si.
- 21. Steel according to claim 1, consisting essentially of 0.005-0.1% Ce.

- 22. Steel according to claim 1, wherein the total of % Cr + 3.3 x % Mo + 30 x % N is > 60.
- 23. Steel according to claim 1, consisting essentially of max 0.01% S.
- 24. Steel according to claim 1, consisting essentially of less than 10 ppm S.
- 25. Steel according to claim 1, consisting essentially of in weight-%:
 max 0.03 C
 max 0.5 Si
 2.0-4.5 Mn
 19-26 Cr
 19-23 Ni
 7.2-8.5 Mo
 0.45-0.6 N
 0.3-0.8 Cu
 max 0.1 Ce
 max 0.01 S
 balance essentially only iron.
- 26. Steel according to claim 25, consisting essentially of in weight-%:
 max 0.03 C
 max 0.5 Si
 3.0-4.2 Mn
 23-25 Cr
 21-23 Ni
 7.2-8 Mo
 0.48-0.55 N
 0.3-0.8 Cu
 max 0.05 Ce
 <0.001 S
 balance essentially only iron.
- 27. Steel according to claim 1, consisting essentially of up to 0.01% of aluminum.

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