

Zn-Fe めっきおよび Fe-B-Si 系非晶質合金薄帯の メスbauer効果*

川崎製鉄技報
21 (1989) 2, 83-87

Mössbauer Studies of Electroplated Zn-Fe Alloy and Fe-B-Si Amorphous Alloy Strips



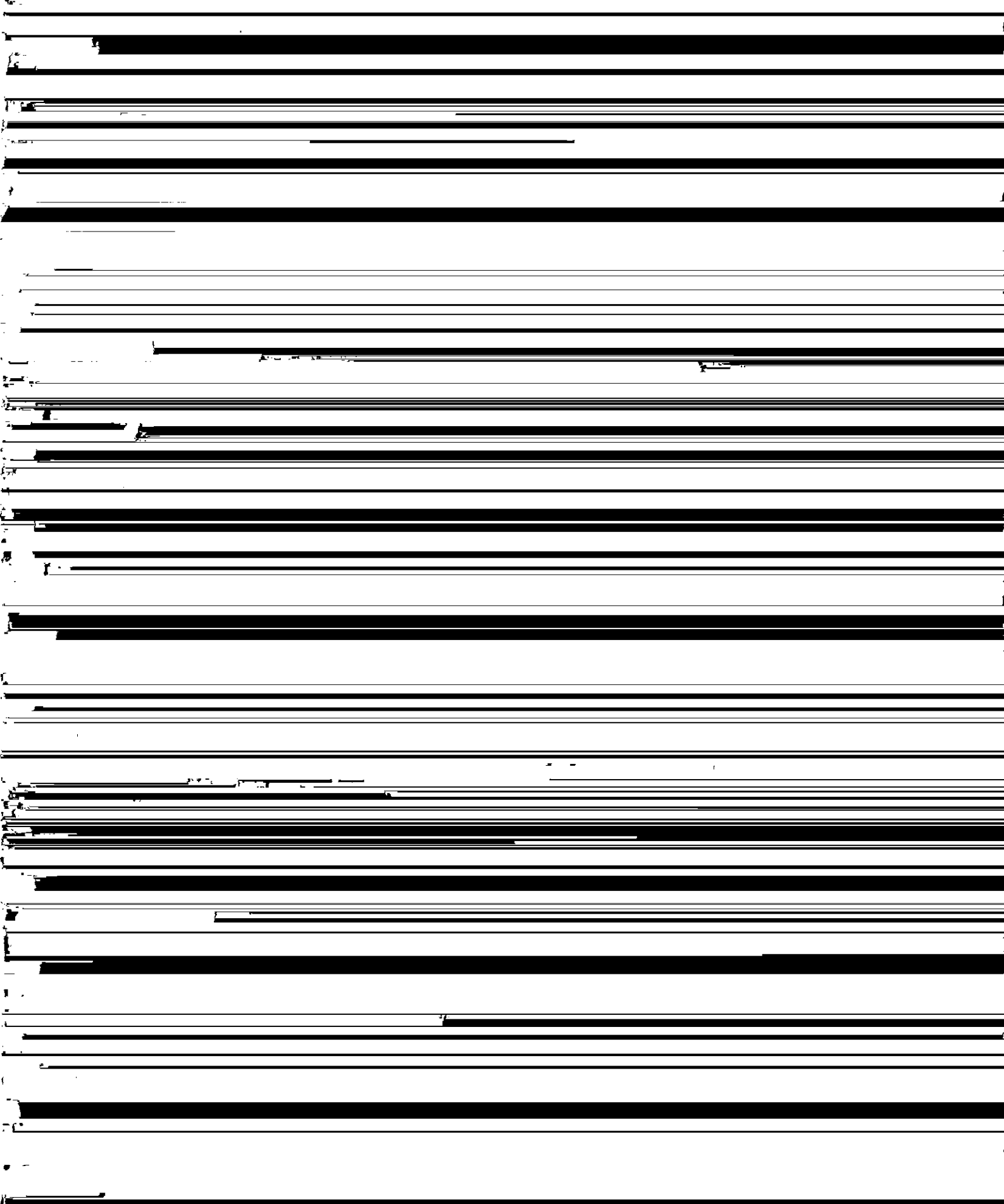
要旨

γ 線透過メスbauer分光法および内部転換電子メスbauer分光法を用いて Zn-Fe 合金電気めっき皮膜と Fe_{78.5}B₁₃Si_{8.5} 非晶質合金薄帯を調査した。

鋼板基板上の Zn-Fe 合金電気めっき皮膜のスペクトルは非対称なダブルレットであった。Fe 濃度が 8.5 から 27.1 wt % に増加すると



Fig. 9. Mössbauer spectra of the amorphous Fe-B-Si alloy thin film.



[The following text is heavily obscured by horizontal black bars and is largely illegible. It appears to be a list or index of items.]

1. [Illegible]

2. [Illegible]

3. [Illegible]

4. [Illegible]

5. [Illegible]

6. [Illegible]

7. [Illegible]

8. [Illegible]

9. [Illegible]

10. [Illegible]

11. [Illegible]

12. [Illegible]

13. [Illegible]

14. [Illegible]

15. [Illegible]

16. [Illegible]

17. [Illegible]

18. [Illegible]

19. [Illegible]

20. [Illegible]

21. [Illegible]

22. [Illegible]

23. [Illegible]

24. [Illegible]

25. [Illegible]

26. [Illegible]

27. [Illegible]

28. [Illegible]

29. [Illegible]

30. [Illegible]

31. [Illegible]

32. [Illegible]

33. [Illegible]

34. [Illegible]

35. [Illegible]

36. [Illegible]

37. [Illegible]

38. [Illegible]

39. [Illegible]

40. [Illegible]

41. [Illegible]

42. [Illegible]

43. [Illegible]

44. [Illegible]

45. [Illegible]

46. [Illegible]

47. [Illegible]

48. [Illegible]

49. [Illegible]

50. [Illegible]

51. [Illegible]

52. [Illegible]

53. [Illegible]

54. [Illegible]

55. [Illegible]

56. [Illegible]

57. [Illegible]

58. [Illegible]

59. [Illegible]

60. [Illegible]

61. [Illegible]

62. [Illegible]

63. [Illegible]

64. [Illegible]

65. [Illegible]

66. [Illegible]

67. [Illegible]

68. [Illegible]

69. [Illegible]

70. [Illegible]

71. [Illegible]

72. [Illegible]

73. [Illegible]

74. [Illegible]

75. [Illegible]

76. [Illegible]

77. [Illegible]

78. [Illegible]

79. [Illegible]

80. [Illegible]

81. [Illegible]

82. [Illegible]

83. [Illegible]

84. [Illegible]

85. [Illegible]

86. [Illegible]

87. [Illegible]

88. [Illegible]

89. [Illegible]

90. [Illegible]

91. [Illegible]

92. [Illegible]

93. [Illegible]

94. [Illegible]

95. [Illegible]

96. [Illegible]

97. [Illegible]

98. [Illegible]

99. [Illegible]

100. [Illegible]

かせる働きがある¹²⁾。キュリー点以上での焼鈍であることとロール面の結晶化の2つの理由で、673 Kを超える焼鈍では磁気モーメントが面内方向に揃っていき、その結果として

しながら測定された透過スペクトルの $A_{2,5}/A_{1,6}$ 比も 1.25 であるから、Fe 基非晶質合金薄帯内部の磁気モーメントを完全に面内平