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(54) **Colored zinc coating.**

(57) A method of forming a colored zinc coating on an iron or steel surface in which base metal of iron or steel is hot-dipped in a bath of or sprayed with a zinc alloy consisting essentially of 0.1 - 0.8 wt % Mn and optionally up to 1.0 wt % Cu and up to 0.1 wt % Ti, and the balance Zn and inevitable impurities; as well as a zinc alloy of the aforementioned composition for hot dipping or spraying to form a colored zinc coating on a base surface.

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
X	US-A-3 630 792 (R.W. SMYTH) * Claims 1-4,6,11,36,50; column 1, lines 45-67; column 3, table I; column 7, lines 26-49; column 8, lines 1-12; column 10, lines 38-54 * ---	1-11	C 23 C 2/06 C 23 C 2/26 C 23 C 2/28 C 23 C 4/08 C 23 C 28/00
A	CA-A- 909 606 (P.P. BOOKER) * Claims 1-11 * ---	1-10	
A	CHEMICAL ABSTRACTS, vol. 101, no. 2, July 1984, page 222, no. 10977s, Columbus, Ohio, US; & JP-A-59 31 859 (KAWASAKI STEEL CORP.) 21-02-1984 * Abstract * ---	1-10,12	
A	PATENT ABSTRACTS OF JAPAN, vol. 9, no. 184 (C-294)[1907], 30th July 1985; & JP-A-60 52 569 (TAIYOU SEIKOU K.K.) 25-03-1985 * Abstract * ---	1,8	
A	CHEMICAL ABSTRACTS, vol. 99, no. 14, October 1983, page 228, no. 109062s, Columbus, Ohio, US; & JP-A-58 91 143 (S. NAGABORI et al.) 31-05-1983 * Abstract * ---	1,9	TECHNICAL FIELDS SEARCHED (Int. Cl.4) C 23 C C 23 F
A	FR-A-1 115 121 (SCHNEIDER-WERKE) * Claims; page 1, left-hand column, lines 25-36 * ---	11,12, 13	
A	GB-A-1 243 304 (JONES & LAUGHLIN STEEL CORP.) * Claims 1-7; page 2, lines 22-31 * -----	12,13, 14	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 07-12-1988	Examiner ELSEN D.B.A.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			