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Automatic Hot Slab Spray Marker in Continuous Casting Lines*

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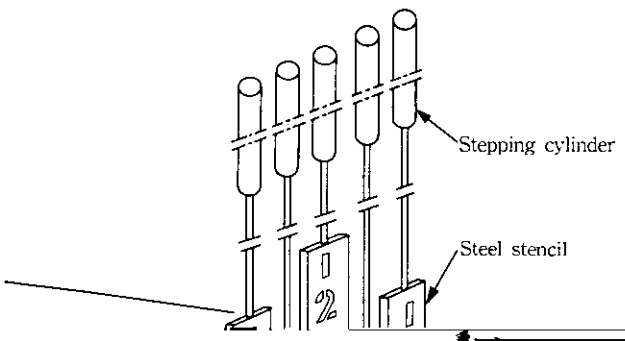
It has long been a challenging problem to automate a marking work required on red-



stencil as it is expendable. Besides, the paper is so flexible as to stick to uneven surface of slab, contributing to obtaining clear marking. A question was how to stop the burning of paper when it touched red-hot slab. After a number of experiments including wetting and thickening of stencil, the problem was solved as follows.

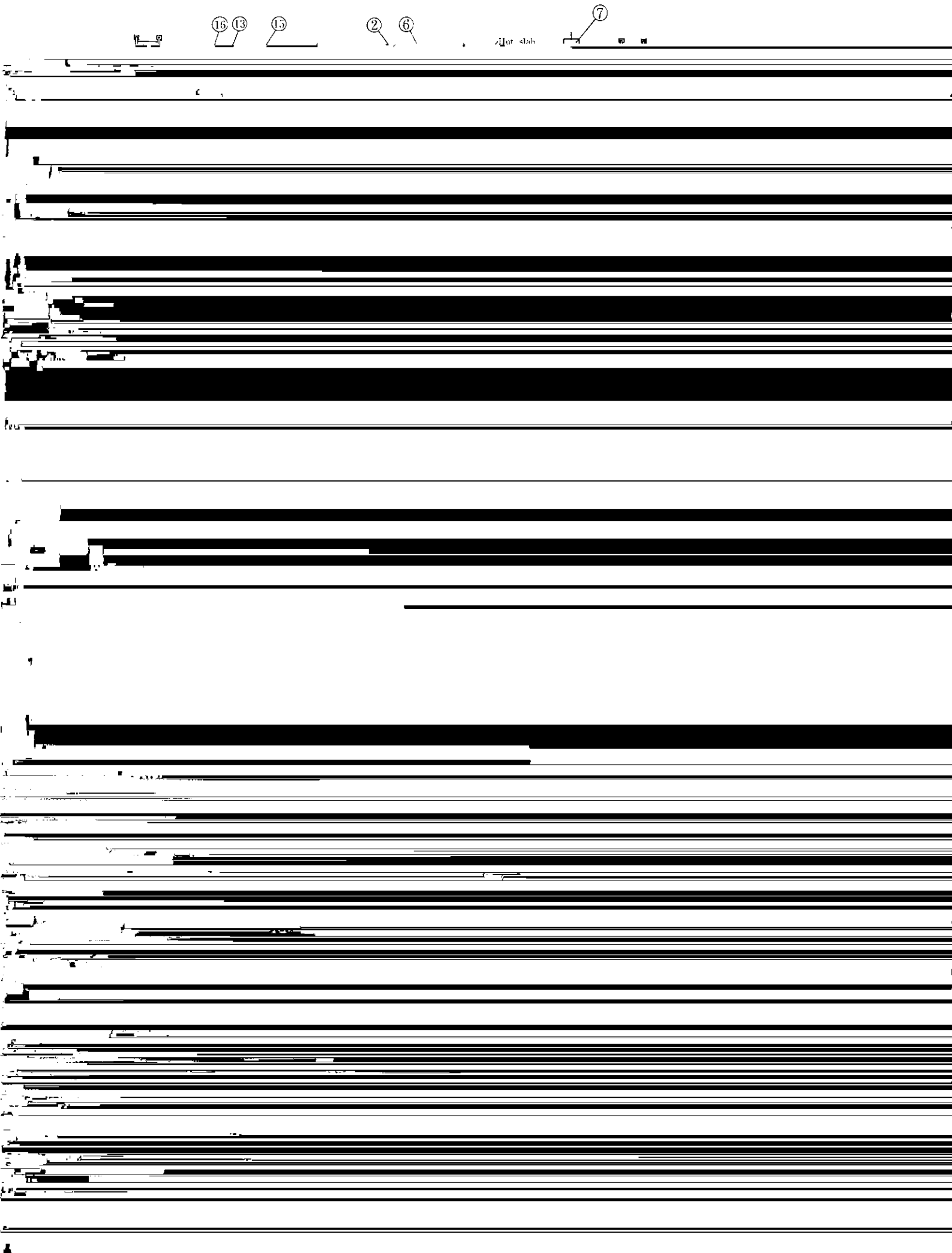
2.2.2 Temporary water cooling of limited slab surface

Actually, it is hardly possible that surface temper-

3 Construction of Device and Principle of

(4) Scale that was generated on red-hot C.C. slab is

Fig. 3 shows a schematic drawing of marking sys-


16
13
15
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casting pitch of C.C. machine.

3.2 Paint

This paint was developed by a heat-resistant paint

time, without any air-cooling. The problem of red rust does not take place in the case of slabs for air-cooling alone, or not subjected to water, or if slabs are im-