

Title (en)

METHOD OF TREATING THE SURFACE OF AN OBJECT AND APPARATUS THEREFOR

Publication

EP 0065015 B1 19880330 (EN)

Application

EP 81103402 A 19810505

Priority

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Abstract (en)

[origin: EP0065015A1] A method of and an apparatus for applying surface treatment on an object-to-be-treated which is continuously moved in a treating liquid from one end of a treating vessel toward the other end thereof usually by a hanging conveyer. The apparatus comprises an overflow outlet (3a) for the liquid disposed on the incoming end of the treating vessel (3), a overflow tank (6) for reservoiring the overflowed liquid, a return passage (7) for returning the liquid from the overflow tank (6) back to the treating vessel (3), a single or a pair of gush-spraying pipes (5a, 5b) of the treating liquid disposed on the incoming end over the surface fo and/or immersed in the liquid, and at least one gush-spraying pipe (11), disposed on the outgoing end of the treating vessel (3).

IPC 1-7

C23C 22/00; **B05C 3/10**

IPC 8 full level

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CPC (source: EP)

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Citation (examination)

W. Ransch "Die Phosphatierung von Metallen", 1974, Lenze Verlag, pages 85,86,89

Cited by

DE4432352A1; JP2013126612A; DE10109480A1; FR2735044A1; GB2420730A; WO2005021170A1

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