

Title (en)
PHOSPHATING PROCESS

Publication
EP 0359296 B1 19930217 (DE)

Application
EP 89201935 A 19890722

Priority
DE 3828676 A 19880824

Abstract (en)
[origin: GB2223239A] For the phosphating of galvanised surfaces, in particular of galvanised steel, the surfaces are brought into contact, for a maximum duration of 10 s, with a phosphating solution which contains accelerator, in particular nitrate 0.5 to 5.0 g/l zinc 3 to 20 g/l phosphate (calculated as P₂O₅) 0.3 to 3 g/l magnesium in a ratio by weight of magnesium: zinc = (0.5 to 10): 1 and has an S-value in the range of from 0.1 to 0.4. <??>It is particularly advantageous to use phosphating solutions containing a maximum of 1.5 g/l of zinc, preferably 0.5 to 1 g/l of zinc, with a ratio by weight of magnesium : zinc of (0.5 to 3) : 1, nickel ions in a maximum quantity of 1.5 g/l, preferably in a maximum quantity of 0.5 g/l as well as simple or complex fluoride in a maximum quantity of 3 g/l, preferably of 0.1 to 1.5 g/l (calculated as F in each case). <??>It is particularly advantageous to apply the process to the treatment of galvanised steel strip with subsequent lacquering or coating with organic films, which may be acrylates, epoxides, polyesters silicon-modified acrylates, polyvinyl fluorides, polyvinylidene fluorides, or polyvinylchlorides.

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IPC 8 full level
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CPC (source: EP US)
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