

**Method and Apparatus for electrolytically metallising or
etching Material**

Abstract:

The current density with which the process is used is of
5 essential importance for the economy of a method of
electrolytically treating materials. Normally only low or
medium current densities are used, as the speed of
replacement of consumed materials in the direct vicinity of
the surface of the material for treatment has a restrictive
10 effect on the magnitude of the current density at which a
usable process result can still be achieved. However, a low
current density leads to long electrolysis times and to
complex treatment installations.

15 The opportunity afforded according to the invention of
improving the transfer of materials at the surface of the
material for treatment consists in generating a large flow
of electrolyte at the treatment point by means of rotating
electrodes which are movable synchronously with the surfaces
20 of the material for treatment, and which may be electrically
polarised with respect to the material for treatment, out of
which the treatment agent emerges through openings, or into
which it is sucked through openings.

25 (Figure 1)

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