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(72) Inventors:
• **Ishizuki, Junichi**
Tokyo 100-8220 (JP)
• **Kurata, Takashi**
Tokyo 100-8220 (JP)
• **Ito, Yoshimitsu**
Tokyo 100-8220 (JP)

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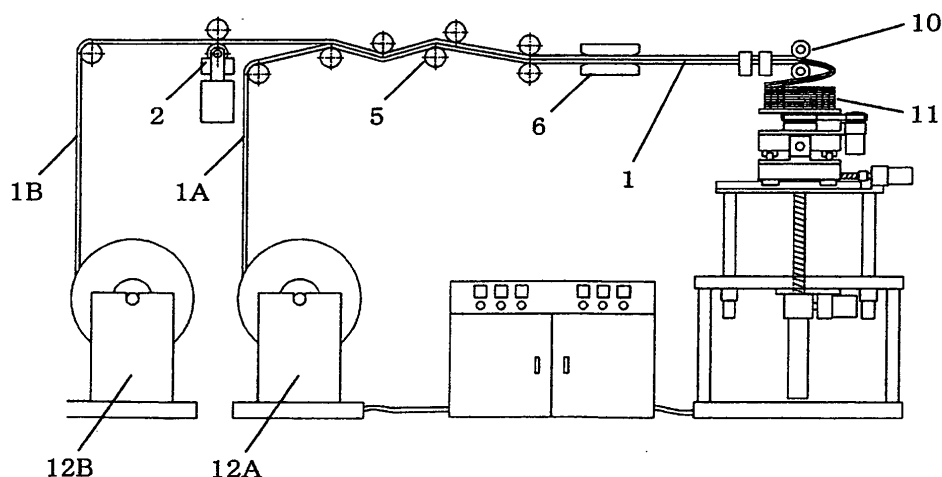
(74) Representative: **Strehl Schübel-Hopf & Partner**
Maximilianstrasse 54
80538 München (DE)

(71) Applicant: **Hitachi Industrial Equipment Systems
Co., Ltd.**
Tokyo (JP)

(54) **Multi-layer coil of plural electric wires for transformer and its winding machine**

(57) A plurality of flat-type electric wires (1A, 1B) fed individually are coated with a bonding agent by a bonding agent coating mechanism (2) so as to be held in overlapped constraint condition, thus impersonating a single flat-type electric wire (1) which in turn is molded by a molding unit 10 and piled up in laminated disk-like form by use of a stacking unit (11) to provide a multi-layer coil

using plural flat-type electric wires. The multi-layer coil can attain the effect equivalent to an increase in cross-sectional area of the single flat-type electric wire and a molded transformer of a large capacity can be realized. Thus, by additionally providing a mechanism for keeping the flat-type electric wires (1A, 1B) in overlapped condition in a winding machine, a multi-layer coil using plural electric wires can be manufactured at low costs.

FIG.2



EUROPEAN SEARCH REPORT

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 14 February 2013	Examiner Volmer, Wilhelm
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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