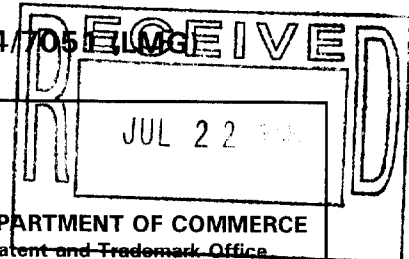


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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

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1. Name of conveying party(ies): Franck Duhamel Additional name(s) of conveying party(ies) attached? [] Yes [x] No

2. Name and address of receiving party(ies) Name: Dentelles Darquer Internal Address: Street Address: 56, rue des quatre coins 62100 Calais, France Additional name(s) & addresses(es) attached? [] Yes [x] No

3. Nature of conveyance: [x] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: January 2, 1999

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is A. Patent Application No.(s) 09/155,068 B. Patent No.(s) Additional numbers attached? [] Yes [x] No

5. Name and address of party to whom correspondence Concerning document should be mailed: Name: Lawrence M. Green Address: WOLF, GREENFIELD & SACKS, P.C. Federal Reserve Plaza 600 Atlantic Avenue Boston, MA 02210

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9. Statement and signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Lawrence M. Green Signature Date July 19, 1999

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ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,

Full name of Inventor(s)

Franck DUHAMEL - L'ETANG DE BREMES-682, rue Goudenove-62610 BREMES LES ARDRES-FRANCE

hereby sell(s), assign(s) and transfer(s) to

Full name and address of Assignee(s)

DENTELLES DARQUER

56, rue des quatre coins - 62100 CALAIS-FRANCE

[hereinafter called the Assignee(s)] the entire right, title and interest in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled

Title of Invention

ELECTROMAGNETIC DEVICE FOR AUTOMATED JACQUARD MACHINE NEEDLE ACTUATION

which was filed by the undersigned in the form of an International Application which designated the United States of America under Number PCT/FR97/00437 on MARCH 12, 1997 and which entered the National Stage in the United States of America under Serial Number 09/155068 on _____; the aforesaid application for United States Letters Patent and all divisionals, continuations and substitutes thereof; and any and all United States Letters Patent which may be granted therefor and any and all extensions, reissues or renewals thereof; and the right to all benefits under the International Convention for the Protection of Industrial Property and under the Patent Cooperation Treaty.

It is hereby authorized and requested that the Commissioner of Patents issue any and all of said Letters Patent, when granted, to said Assignee(s).

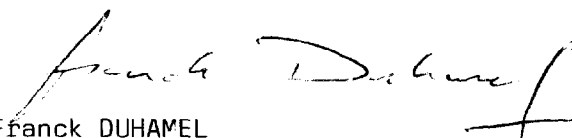
Further, it is agreed that, when requested, without charge to but at the expense of said Assignee(s), the undersigned will execute all divisional, continuing, substitute, renewal and reissue patent applications; execute all rightful other papers; and generally do everything possible which said Assignee(s) shall consider desirable for aiding in securing and maintaining proper patent protection.

Signed at CALAIS

Date this 2 day of JANUARY, 1999.

INVENTOR(S) :

Full signature(s) of Inventor(s)


Franck DUHAMEL