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(71) Applicant (for all designated States except US): **ENEFCO INTERNATIONAL, INC.** [US/US]; 1130 Minot Avenue, Auburn, ME 04211-1120 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KLEIN, Peter** [DE/US]; 488 Mountford Road, North Yarmouth, ME 04097 (US). **BAILEY, Glen, Alan** [US/US]; 90 Bailey Road, Minot, ME 04258 (US). **BOUCHARD, Stephen, Anthony** [US/US]; 14 Pond Crest Lane, Auburn, ME 04210 (US).

(74) Agent: **FAIGUS, Martin, L.**; Caesar, Rivise, Bernstein, Cohen & Pokotilow, 11th Floor, Seven Penn Center, 1635 Market Street, Philadelphia, PA 19103-2212 (US).

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(54) Title: PATTERNED CLEANING CARD AND METHOD OF MANUFACTURING SAME

(57) Abstract: A cleaning card for cleaning internal surfaces of a machine-actuating mechanism includes a substrate having a central plane between opposed surfaces thereof, a machine direction dimension defined between opposed end edges and a transverse direction dimension defined between opposed side edges. The opposed surfaces each have a plurality of discrete raised areas providing a plurality of transversely extending rows of discrete raised areas. At least some of the discrete raised areas in at least some of the transversely extending rows extend outwardly on each side of the central plane. The discrete raised areas each include a peak and a peripheral wall joined at one edge to the peak and having an opposed edge that is closer to the central plane than the peak. The cleaning substrate has an effective thickness between the opposed surfaces that is greater than the nominal thickness between those surfaces. A method of making a cleaning card includes dampening a substrate of the cleaning card with a fluid, embossing the dampened substrate to provide a plurality of discrete raised areas with elastic memory. Another method of making a cleaning card includes heating a cleaning card substrate during embossing to provide discrete raised areas with elastic memory, either with the substrate dampened or dry.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC: **B41J 29/17**(2006.01)

USPC: 428/174

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 428/174

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,153,964 A (GERARDI et al.) 13 October 1992 (13.10.1992), see whole document.	1-57



Further documents are listed in the continuation of Box C.



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Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

Facsimile No. (571) 273-3201

Authorized officer

Alicia Chevalier

Telephone No. (571) 272-1700