

Title (en)
Randomising roller and its use

Title (de)
Wirrwalze und ihre Verwendung

Title (fr)
Cylindre brouilleur et son utilisation

Publication
EP 1249523 A1 20021016 (FR)

Application
EP 01870080 A 20010412

Priority
EP 01870080 A 20010412

Abstract (en)
One or more cylinders are mounted for horizontal lateral motion, relative to the supports and parallel to the axis of cylinder rotation. Note -The carding cylinders referred to here, have inclined teeth. An Independent claim is included for the corresponding method of treating a non-woven cloth. Preferred features: The cylinder is associated with equipment causing lateral reciprocation along its axis. There is also at least one combing and/or carding cylinder without lateral motion, another with lateral motion and/or a fixed cylinder. The cylinder with lateral displacement, follows one without. At least two carding cylinders with lateral displacement follow the comb in series and are separated by one or more fixed cylinders. Carding cylinder length is increased beyond that of the preceding cylinder, by the maximum amplitude of reciprocation. Reciprocating cylinders are constructed in low density material, preferably a light metal or alloy. The reciprocating carding cylinder has

Abstract (fr)
Unité pour le travail des voiles de fibres, ladite unité comportant un support et au moins un cylindre brouilleur (2) monté rotatif autour de son axe par rapport au support (2a), caractérisée en ce qu'au moins un cylindre ou partie de cylindre est monté mobile par rapport au support de manière à subir au moins un mouvement relatif latéral, avantageusement horizontal, par rapport au support au moins dans une direction parallèle à l'axe de rotation du cylindre.

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D01G 15/46; D04H 1/72

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D01G 15/46 (2006.01)

CPC (source: EP)
D01G 15/46 (2013.01)

Citation (search report)
• [X] EP 0607476 A1 19940727 - HOLLINGSWORTH GMBH [DE]
• [X] US 3538552 A 19701110 - FOLEY JAMES L
• [X] PATENT ABSTRACTS OF JAPAN vol. 015, no. 243 (C - 0842) 21 June 1991 (1991-06-21)

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CN102330194A; AU2006327064B2; WO2012009949A1

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