

Title (en)
Shoe press

Title (de)
Schuhpresse

Title (fr)
Presse à patin

Publication
EP 1205600 A1 20020515 (DE)

Application
EP 01118219 A 20010728

Priority
• DE 10054674 A 20001103
• DE 20100509 U 20010112

Abstract (en)
On both sides of the web (30) there is a driven, continuous pressing band (48, 50) led with it through the felted pressing nip (38). Preferred features: The pressing bands are for dewatering. The nip is double-felted, felts and web being led through between the pressing bands. At least one shoe pressing unit is formed by a shoe pressing roller and the consolidation band (44, 46) is formed by the casing of this roller. The pressing plane passing through the nip is inclined with respect to the vertical at 10 degrees -45 degrees . At least one pressing band has an open surface. The surface includes blind holes and/or grooves. At least one is a screen. It is passed over a roller with a channel for water thrown off the band. The return roller has a scraper. It is driven. A further driven return roller carries the press band. One roller is a regulation roller. Both band pressing surfaces have the same hardness. They are closed and smooth. Through the double-felted nip, a non marking, symmetrical dewatering felt is led. The press bands are led separately from the consolidation bands outside the pressing gap and participate in rolling regulation.

Abstract (de)
Eine Schuhpresse zur Behandlung einer Faserstoffbahn, insbesondere Papier- oder Kartonbahn, umfaßt zwei Schuhpreßeinheiten, zwischen denen ein in Bahnlaufrichtung verlängerter, zumindest im wesentlichen ebener befalzter Preßspalt gebildet ist und die jeweils ein umlaufendes, im Bereich des Preßspaltes über einen Preßschuh geführtes flexibles endloses Dichtband umfassen. Zusätzlich ist beiderseits der Materialbahn jeweils ein antriebenes endloses Preßband mit durch den befalzten Preßspalt geführt. <IMAGE>

IPC 1-7
D21F 3/02

IPC 8 full level
D21F 3/02 (2006.01)

CPC (source: EP US)
D21F 3/0218 (2013.01 - EP US)

Citation (search report)
• [X] DE 29622025 U1 19970327 - VOITH SULZER PAPIERMASCH GMBH [DE]
• [A] DE 19723172 A1 19981210 - GELDMACHER JOACHIM [DE]
• [A] DE 19802054 A1 19990722 - VOITH SULZER PAPIERTECH PATENT [DE]
• [A] EP 0064933 A1 19821117 - BELOIT CORP [US]
• [A] DE 19816235 A1 19991014 - VOITH SULZER PAPIERTECH PATENT [DE]

Designated contracting state (EPC)
DE FI SE

DOCDB simple family (publication)
US 2002053415 A1 20020509; EP 1205600 A1 20020515

DOCDB simple family (application)
US 98217501 A 20011019; EP 01118219 A 20010728