

Title (en)
Shipping unit of machine members

Title (de)
Versandeinheit aus Maschinenelementen

Title (fr)
Set d'expédition d'éléments de machine

Publication
EP 1486600 B1 20151007 (DE)

Application
EP 04010989 A 20040508

Priority
DE 10325671 A 20030606

Abstract (en)
[origin: EP1486600A1] Shipping unit (1) comprises machine elements such as a number of identical needles (2) located in a row and are oriented identically, and the sides (3) of the adjacent needles face one another. The needles are located relative to one another in one direction in space, perpendicular to the sides of the needle.

IPC 8 full level
B65D 69/00 (2006.01); **D04B 37/00** (2006.01); **B65D 71/00** (2006.01); **B65D 85/24** (2006.01); **D04B 35/00** (2006.01); **D04B 35/02** (2006.01)

CPC (source: EP KR US)
D04B 35/00 (2013.01 - KR); **D04B 35/02** (2013.01 - KR); **D04B 37/00** (2013.01 - EP US)

Cited by
EP2280106A1; EP1816247A1; EP3889330A1; US12012676B2; US7533546B2; WO2021198201A1

Designated contracting state (EPC)
DE FR GB IT TR

DOCDB simple family (publication)
EP 1486600 A1 20041215; EP 1486600 B1 20151007; CN 100343141 C 20071017; CN 1572669 A 20050202; DE 10325671 A1 20050113; DE 10325671 B4 20070301; JP 2004359350 A 20041224; JP 4076976 B2 20080416; KR 100591496 B1 20060620; KR 20040108586 A 20041224; US 2004244429 A1 20041209; US 6912875 B2 20050705

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