

Title (en)

Apparatus for feeding flat products to a machine.

Title (de)

Vorrichtung zum Zuführen flacher Produkte zu einer Maschine.

Title (fr)

Dispositif pour alimenter une machine en produits plats.

Publication

**EP 0329989 A1 19890830 (EN)**

Application

**EP 89101778 A 19890202**

Priority

IT 334388 A 19880225

Abstract (en)

An apparatus (2) for feeding flat products comprising at least one conveyance device (5) connected at its input end to a unit (3) for producing flat products and connected at its output end to a device for forming groups of products packed flat against each other and oriented edgewise on the surface of the conveyance device. The conveyance device (5) comprises at least one continuously moving conveyor (6,7) and at least one vibrating channel (8,10) arranged in series to facilitate the return of fallen products to their correct upright position and thus re-establish a continuous row.

IPC 1-7

**B65B 23/14**

IPC 8 full level

**B65B 23/14** (2006.01)

CPC (source: EP)

**B65B 23/14** (2013.01)

Citation (search report)

- US 508092 A 18931107
- DE 2802188 A1 19790726 - CARL KRAEMER MASCHINENFABRIK
- EP 0077753 A2 19830427 - SIG SCHWEIZ INDUSTRIEGES [CH]

Designated contracting state (EPC)

CH DE FR GB LI NL

DOCDB simple family (publication)

**EP 0329989 A1 19890830; EP 0329989 B1 19920930**; DE 68903006 D1 19921105; DE 68903006 T2 19930225; IT 1219774 B 19900524; IT 8803343 A0 19880225

DOCDB simple family (application)

**EP 89101778 A 19890202**; DE 68903006 T 19890202; IT 334388 A 19880225