

Title (en)  
A CONVEYOR APPARATUS

Title (de)  
FÖRDERVORRICHTUNG

Title (fr)  
APPAREIL DE TRANSPORT

Publication  
**EP 0179842 B2 19960807 (EN)**

Application  
**EP 85902197 A 19850416**

Priority  
• SE 8500174 W 19850416  
• SE 8402202 A 19840419

Abstract (en)  
[origin: WO8504837A1] An apparatus (1) for conveying and compacting material in which the material includes fractions of different sizes, densities, elasticity, moisture-content etc. The apparatus has at least one shaftless spiral (3), in which each spiral is disposed in a preferably enclosed casing (2) of, for example, U-shaped and/or circular cross section. A drive means (4) is provided for rotation of the spiral and is placed in conjunction with that part of the casing where the material is fed into the casing. In the opposite end of the casing, i.e. at the end which is located adjacent the discharge section (18) of the casing, the casing surrounds the spiral with slight play, and, moreover, the casing has, in an extension of the spiral, an end region (23) where the spiral is not surrounded by the casing. As a rule, there are also provided counterpressure members which brake the movement of the material. In certain embodiments, the contemplated braking effect is realised in that the end region (23) offers sufficient friction in relation to the material.

IPC 1-7  
**B30B 9/12**; **B65G 33/22**

IPC 8 full level  
**B30B 9/12** (2006.01); **B30B 9/18** (2006.01); **B30B 9/30** (2006.01); **B30B 11/24** (2006.01)

CPC (source: EP)  
**B30B 9/12** (2013.01); **B30B 9/18** (2013.01); **B30B 9/3082** (2013.01); **B30B 11/24** (2013.01)

Cited by  
US5421251A

Designated contracting state (EPC)  
AT BE CH DE FR IT LI LU NL SE

DOCDB simple family (publication)  
**WO 8504837 A1 19851107**; DE 3567597 D1 19890223; DE 8590051 U1 19860403; DE 8590093 U1 19860410; EP 0179842 A1 19860507; EP 0179842 B1 19890118; EP 0179842 B2 19960807; GB 2169217 A 19860709; GB 2169217 B 19880302; GB 8529528 D0 19860108; SE 446956 B 19861020; SE 8402202 D0 19840419; SE 8402202 L 19851020

DOCDB simple family (application)  
**SE 8500174 W 19850416**; DE 3567597 T 19850416; DE 8590051 U 19850416; DE 8590093 U 19850416; EP 85902197 A 19850416; GB 8529528 A 19850416; SE 8402202 A 19840419