

Title (en)
VERTICAL STORAGE CONVEYOR WITH IMPROVED LOAD SUPPORT AND DRIVE SYSTEM

Title (de)
VERTIKALE SPEICHERFÖRDERER MIT VERBESSERTEM LASTTRÄGER UND ANTRIEBSSYSTEM

Title (fr)
TRANSPORTEUSES A STOCKAGE VERTICAL POURVUES D'UN SUPPORT DE CHARGE ET D'UN SYSTEME D'ENTRAINEMENT AMELIORES

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Application
EP 95910878 A 19950124

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Abstract (en)
[origin: WO9523266A1] A vertical conveyor is disclosed having a frame with a first and second vertical frame section spaced apart but supportingly connected to each other. Load supports having first and second ends are conveyed around a looped path. Each load support is movably mounted at the first and second ends to first and second frame sections. A pickup chain assembly has a pickup drive chain, an upper drive sprocket driven by the motor wherein a substantial amount of the load exerted by the supports against the pickup chain assembly is imported against the upper drive sprocket. An idler sprocket is aligned below the drive sprocket and has a smaller diameter than the drive sprocket. The pickup drive chains include a plurality of pickups pivotally mounted thereto which engage transverse axles mounted at the end of compression links of a compression chain assembly. The load supports are mounted on the compression chain assembly. A motor simultaneously drives the first and second pickup chain assemblies which in turn drive the compression chains and move the supports up and down.

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