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(71) Applicant: **DEMATIC GMBH** [DE/DE]; Martinseestraße
1, 63150 Heusenstamm (DE).

(72) Inventor: **YAMASHITA, Shin**; Grenzstr. 13b, 61440
Oberursel (DE).

(74) Agent: **MOSER GÖTZE & PARTNER PATENTAN-
WÄLTE MBB**; Paul-Klinger-Str. 9, 45127 Essen (DE).

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(54) Title: STORAGE SYSTEM WITH A MULTI-LEVEL STORAGE RACK, A VERTICAL LIFT CONNECTING THE LEVELS
OF THE MULTI-LEVEL STORAGE RACK AND METHOD OF OPERATION

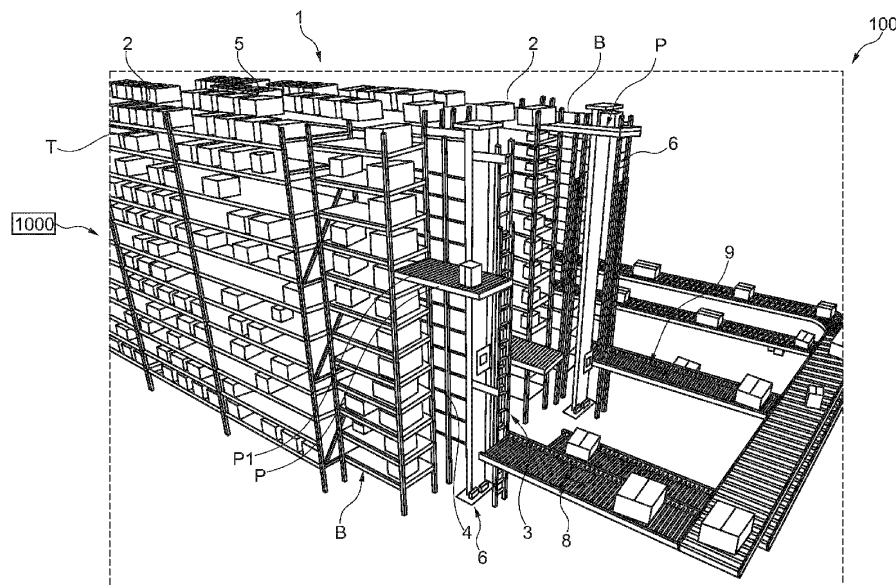


Fig. 1

(57) Abstract: Storage system with a multi-level storage rack, a vertical lift connecting the levels of the multi-level storage rack, the vertical lift having a conveyor platform, at least one rack level has a conveyor adjacent to the vertical lift, and a controller configured for controlling the lift, conveyor platform and conveyor such that the lift conveyor platform or conveyor are controlled to transfer a load between the lift conveyor platform and the rack conveyor or vice versa, wherein the transfer is controlled to be performed as soon as the lift conveyor platform and the rack conveyor are at same height and lifting platform over travels beyond transition level allowing the transfer to be initiated earlier by transferring the load from the higher lift conveyor platform to the lower rack conveyor or vice versa.

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