

A B S T R A C T

LIQUID DOUBLE DISTRIBUTION DEVICE OF USE IN PARTICULAR IN
AN APPARATUS IN WHICH A LIQUID PHASE FLOWS UNDER GRAVITY

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The invention relates to a double liquid
distribution device (1) suitable for use in particular in
a fractionating or wash column (10) comprising a high
collector tray (2) connected to a manifold support (7)
10 via at least two longitudinal liquid downflow ducts (5,
6), said manifold support (7) supporting at least two
series of transverse tubular manifolds (8, 8a-8b) and
serving to feed liquid respectively to the first series
of manifolds (8a) via a first longitudinal duct (5) and
15 to the second series of manifolds (8b) via a second
longitudinal duct (6), each manifold (8, 8a-8b) including
distribution orifices (8c) in its under face that are
suitable for distributing the liquid onto the top face of
the packing bed (9), the device being characterized in
20 that the two longitudinal liquid downflow ducts (5, 6)
are connected together in a low portion (5b, 6b) by a
communication device (11) fitted with a valve (12) having
controlled opening that is suitable for allowing the
liquid to be transferred between the two longitudinal
25 ducts in controlled manner.

Figure 4A

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