4. The device (13) as claimed in any of the preceding claims, wherein the cross-sectional shape of that section (3h, 3i) which connects the two peaks (3c, 3d) is congruent with the cross-sectional shape of any of the open channels (5) which are arranged between said every other open channel (3).

5. The device (13) as claimed in any of the preceding claims, wherein the entire section (3f) connecting a first of the channel end points (3a) with a first of the peaks (3c) is parallel with an entire section (3h) connecting the valley floor (3e) with a second of the peaks (3d).

6. The device (13) as claimed in any of the preceding claims, wherein the entire section (3g) connecting a second of the channel end points (3b) and the second of the peaks (3d) is parallel with an entire section (3i) connecting the valley floor (3e) with the first of the peaks (3c).

7. The device (13) as claimed in any of the preceding claims, wherein each of said every other channel (3) has an essentially M-shaped cross-section.

8. The device (13) as claimed in any of the preceding claims, wherein the sheet (1; 1') is a heat exchanger sheet.

9. The device (13) as claimed in any of the preceding claims, wherein the channel end points (3a, 3b) of a sheet (1; 1') engage a respective valley floor (3e) of an adjacent sheet (1; 1').

10. The device (13) as claimed in any of the preceding claims, wherein each fluid inlet (7) and fluid outlet (9) has a tapering shape.

11. The device (13) as claimed in claim 10, wherein each fluid inlet (7) has an inlet mouth (7a) parallel to the longitudinal extension of the fluid flow channels (11), wherein each inlet mouth (7a) is arranged in level with a lateral end of a sheet (1; 1'), wherein each fluid inlet (7) extends from said lateral end towards the other lateral end of the sheet (1; 1'), and wherein each fluid inlet (7) is tapering from the said lateral end to the other lateral end towards channel inlet mouths (1a) of fluid flow channels (11).

12. The device (13) as claimed in claim 10 or 11, wherein each fluid outlet (9) has an outlet mouth (9a) parallel to the longitudinal extension of the fluid flow channels (11), wherein each outlet mouth (9a) is arranged in level with a lateral end of a sheet (1; 1'), wherein each fluid outlet (9) extends from said lateral end towards the other lateral end of the sheet (1; 1'), and wherein each fluid outlet (9) is tapering from said lateral end to the other lateral end towards channel outlet mouths (1b) of the fluid flow channels (11).

13. A method of manufacturing a device (13) for exchange of heat and/or mass transfer between fluid flows, wherein the method comprises:

a) providing a plurality of sheet blanks (15),

b) corrugating each sheet blank (15) to form open channels (3, 5) such that every other channel (3) has a cross-section with two channel end points(3a, 3b), and two peaks (3c, 3d) and a valley floor (3e) between the two channel end points (3a, 3b) to thereby form a sheet (1; 1'),

wherein the two channel end points (3a, 3b) of a corrugated open channel (3) define the mouth of that corrugated open channel (3), wherein the remaining open channels that are intermediate each pair of corrugated open channel (3) are intermediate open channels (5), wherein corrugated open channels (3) and intermediate open channels (5) have mouths in opposite directions,

stacking the plurality of sheets (1;1') in a staggered manner, wherein the sheets (1; 1') are stacked such that open channels (3, 5) of each pair of adjacent sheets (1; 1') define fluid flow channels (11), and wherein the device (13) comprises fluid inlets (7) and fluid outlets (9), wherein each fluid inlet (7) is arranged to direct fluid into the fluid flow channels (11) of two adjacent sheets (1) and each fluid outlet (9) is arranged to direct fluid out from the fluid flow channels (11) of two adjacent sheets (1), each fluid inlet (7) and each fluid outlet (9) serving only one layer of fluid flow channels.

14. The method as claimed in claim 13, wherein step b) of corrugating is performed by 1) thermoforming or 2) by folding along fold lines (17, 19).